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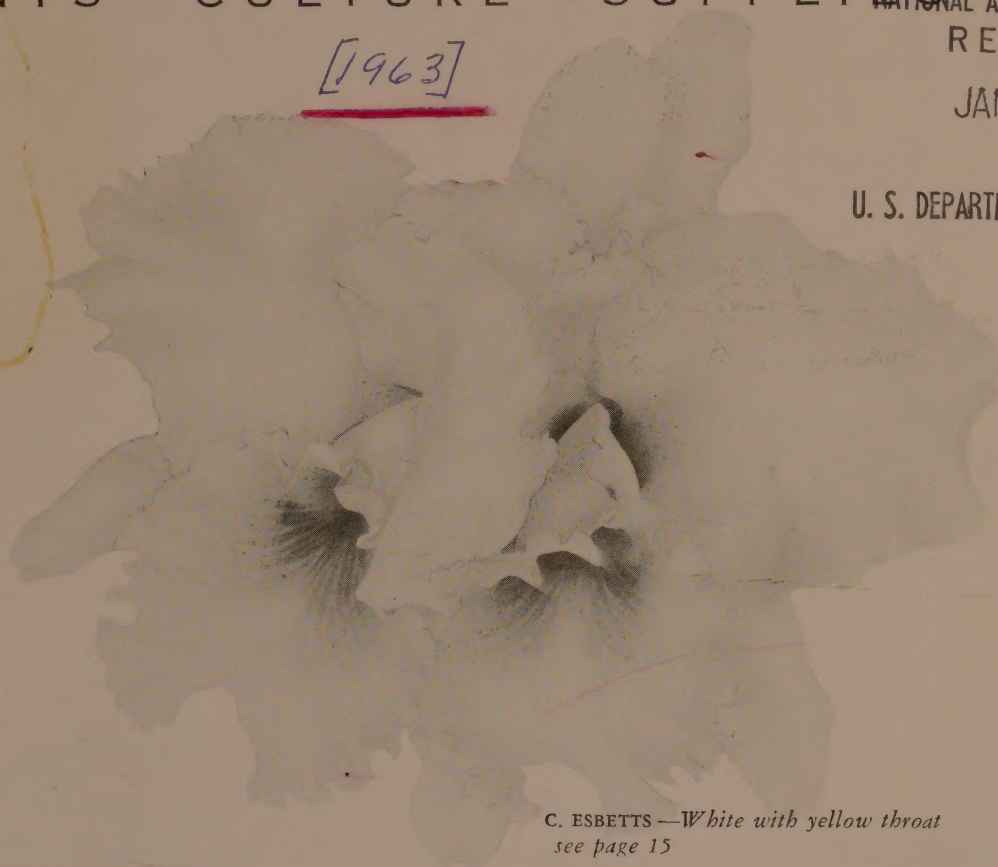
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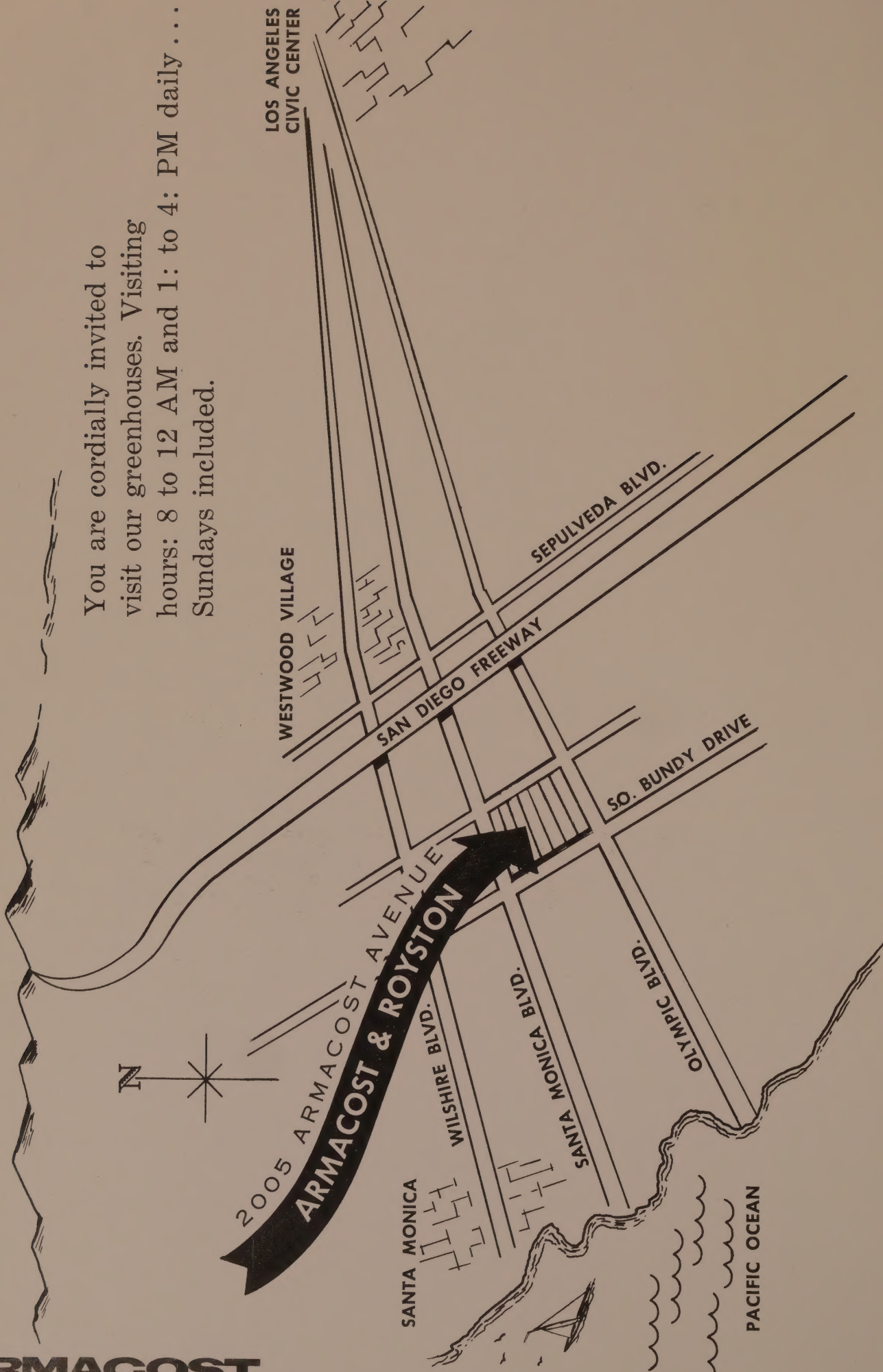
C. ESBETTS — *White with yellow throat*
see page 15

ARMACOST & ROYSTON

Armacost & Royston Inc. has been growing orchids since 1921. Eighteen acres in all comprise the Grandfather of all the So. Calif. Floral Ranges, making Armacost & Royston Inc. the top attraction for thousands of visitors every year. One of the oldest of all Orchid nurseries, we can genuinely satisfy every need of the most avid collector. Our rapidly expanding breeding program offers you quality, experience, and the newest crosses available. As a hobby filled with pleasure and profit, your trust could not be better secured than with Armacost & Royston Inc.

CATALOG PRICE .75

You are cordially invited to
visit our greenhouses. Visiting
hours: 8 to 12 AM and 1: to 4: PM daily...
Sundays included.



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& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA

ARMACOST & ROYSTON ORCHIDS

Contents

ARMACOST and ROYSTON location map	2
General Cattleya Culture	4
Lavender Cattleyas	6
Cattleyas, Albas	13
Pure White Cattleyas	15
Cattleyas, Brassolaelio Cattleya Types and Yellows	17
Bifoliate Type Orchids	19
Blue Shades Cattleyas	21
The Cypridium Orchid	23
Orchid Supplies	29
Condition of Sale	35

Armacost & Royston, Inc., has been growing orchids for more than forty years, and has stood the test of time.

We are making every effort to obtain the most modern stud stock available. Combined with our proven Tetraploid and Diploid stock you are assured of the finest plants to be had anywhere. We are endeavoring to make Tetraploid on Diploid combinations — also proven Tetraploid with Tetraploids for future breeding. However, we still use some good Triploids for breeding that are proven and give viable seed. We are making a few unusual combinations along with several speculative crosses. Thus you are assured of the best possible quality and vigorous growing plants.

We wish to thank our many customers for the splendid orchid plant and supply business we have enjoyed during the past few years. As always we will give prompt and careful attention to your orders, large or small. Our supply business is growing rapidly and we have the newest and best to offer.

You are welcome to inspect and select from our greenhouses. Our sales staff are all practical growers and they are always available to help you make selections and to assist you with your cultural problems.

Open every day — 8:30 A.M. to 4:00 P.M.



Leo Holguin - in charge of orchids at Armacost & Royston

General Cattleyas Culture

By LEO HOLGUIN

There are many methods for successful orchid culture. The means employed by us at Armacost & Royston may be of great interest to you, and perhaps you may benefit from our experiences.

LIGHT

This is a controversial subject. Orchids are grown in most parts of the United States, and light conditions vary from one part of the country to another, even in the same city or county. Some growers give their Cattleyas all the light they can possibly stand, others stay on the middle road, and some on the dark side, yet they all appear to have success. Generally 2,000 to 3,000 foot candles is sufficient for optimum growth, or 20% to 30% outside light. We grow our Cattleyas at approximately 1,800 to 2,000 ft. candles. We very seldom use a light meter. Here in West Los Angeles we seldom get the same reading every day, inside or outside of a greenhouse. It would be necessary to take a reading every day, at the same time, for a month, and take an average per day.

You can tell if your plants are getting sufficient light by observing the plant growth. If most of the new growth develops erect and without need of tying onto a stake, and when the buds come out of the sheath and develop without the benefit of too much staking or tying, then I feel the light is sufficient. Leaves should be an olive green, or reddish tinge in color. However, if the growth is soft, succulent and deep green in color, there is too much shade.

TEMPERATURE

In this area a temperature of 63° at night, and around 80° to 85° days is recommended for adult, flowering size Cattleyas. For seedlings 65° to 68° nights and 80° to 85° days. In colder regions temperatures of 55° to 60° nights and 65° to 70° days are easier to maintain and more desirable.

Here light enters into the subject again. If you have high

light intensity, you may have to install evaporative coolers, or the fan and pad exhaust type to keep the temperatures down during the hot summer months.

In our greenhouses we use Garland Shading Compound to provide the necessary shade. From November to March we have clear glass on the north roofs, and a thin coat of shading on the south roofs. After the rains in March (if we get any) we apply a thin coat of Garland shading on the north roofs and another on the south. If there is no rain it is best to wash the dust off so that the shading compound will stick on better; also it will not darken up too fast. Generally the last coat goes on in late spring. By fall it has oxidized to such an extent that rain or hosing it down will leave only a light shading.

A more permanent shading is the use of Saran fabric — 65% to 72% shade depending on your area. This is suspended about 18" above the glass on a metal frame. It can be left all year, or can be installed in such a way that it can be removed in winter.

RELATIVE HUMIDITY AND VENTILATION

We try to maintain a relative humidity of 60% to 65% during the day. Here again, light and temperature are important factors. The higher the light intensity and temperature, the quicker your house will dry out. If you have an automatic humidity system, it may be on constantly during the very bright, dry days. If you have no automatic humidity system, it will be necessary to wet down the benches and floors, or sprinkle your plants overhead several times during the day, in order to prevent too much loss of moisture from the plants. In more humid regions this does not have to be done as often as in drier regions. Keep in mind, that while the floors and benches require moisture, they should not be kept in a state of saturation.

In an area where summers are hot and dry, I believe one could have success with the pad and fan system. In

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brief, this consists of a pad drip conductor and a return gutter which must be arranged to circulate water and distribute it evenly over the entire pad area without splashing and flooding. This is installed at one end of the greenhouse or sides, with a suitable exhaust fan at the other end to draw air from outside over the pads. The fan and water system could be set on separate controls for easier control of humidity in the greenhouse. With this system the balance of the house should be as airtight as possible.

Those of you who are not fortunate enough to have automatic controls, must watch the temperature a little more closely. Open the vents early in the morning on bright days, before the greenhouse gets too hot. It is better to let it warm up gradually. As the day cools off, lower the vents. Whenever possible, it is advisable to leave them open at night, to about $\frac{1}{2}$ to 1" opening. It should be remembered, however, that while Cattleyas require a maximum amount of air at all times, they should not be subjected to draughts, as this causes the plants to dry out too quickly, and it is also likely to chill them.

POTTING MEDIA

Orchids have been grown in just about everything imaginable. However, osmunda is still the easiest medium in which to grow Cattleyas. (I said easiest to grow plants in.)

Disadvantages: Expensive to purchase; takes longer to pot, therefore more labor; takes experienced personnel to do a good, uniform job; you need machinery and labor to chop it up to the required size and to screen it before use; and it is dirty to work with.

Advantages: A good grade of brown or yellow osmunda will last two to three years; it is not subject to mycelium fungus; you do not have to feed plants, although it helps; it will retain moisture for a longer period of time than bark; and osmunda does not need any additives.

Fir bark has become quite popular in the culture of orchid plants of all kinds.

Disadvantages: You should add Dolomite lime to adjust the pH and add calcium and magnesium; it has to be fertilized with a high nitrogen fertilizer — 3-1-1; it is subject to mycelium fungus which seems to be a serious problem to keep under control; it is a good host for millepedes which tend to break down the material.

Advantages: Inexpensive; easy to pot and requires less labor; pots faster than osmunda; clean to use; lasting quality without fungus or millepedes infection is two years; growth is phenomenal; and there is practically no damp off in seedlings out of flask.

For adult Cattleyas use $\frac{5}{8}$ to $\frac{1}{4}$ " size clean uniform bark. For seedlings use $\frac{1}{2}$ to $\frac{1}{8}$ " size. It is important to feed when using fir bark. Nitrogen is the most important element required. Frequent light feedings with a 3-1-1 fertilizer are better than occasional heavy feeding. To keep the millepedes under control, Dioldren in liquid or granules is recommended. If liquid, use at time of watering, if granules, sprinkle on top of the fir bark in the pots.

Here we go again. We have been experimenting with a medium consisting of $\frac{1}{2}$ to $\frac{1}{3}$ coarse redwood shavings to $\frac{1}{2}$ to $\frac{2}{3}$ fir bark. We hope this material will tend to control the mycelium fungus, as it does not seem to grow in redwood.

Another product we are experimenting with is coarse redwood bark, called Palco Wool, medium grade. This is more expensive than fir bark, acid in nature, therefore it requires addition of Dolomite lime. It pots about like Osmunda and retains moisture well. It also has to be fertilized, does not seem to be subject to mycelium fungus.

Root action in this medium seems to be good. Time will tell.

POTTING

When do I repot my orchids? This question is asked constantly. It must be remembered that the majority of Cattleyas today are complex hybrids, with little or no resting period. Repotting is usually done when the plants are through blooming, are crowding the inside of the pot, or growing over the edge. The best time is when there are signs of renewed root action, such as roots commencing to grow from the base of the new growth. Whenever possible it is best to wait for the new growth to make up, and pot just as the new roots start to show at the base of the rhizome. However, if the medium is broken down or sour it is best to move the plant into fresh material, as long as it is not in bud. In some cases root action will start before the growth is made up. It is best to pot at that time to save the roots.

In any case, potting should not be done just prior to blooming. This will prevent the flowers from developing properly.

Fir bark should be moist when repotting, and allow plenty of space for the plant to grow for at least two years.

WATERING AND FERTILIZING

After repotting the plants do not require too much water until root action develops. However, they should be given frequent overhead sprayings during bright warm weather. Once root action starts they should be watered thoroughly. Depending on the weather, large plants in 7 inch pots and up may go from one to two weeks between waterings. Smaller sized pots may be watered from once to twice a week. A word of caution is necessary on watering in fir bark. We have noticed that the first six months or so, new material does not seem to hold water very long. However, after a period of six months to a year, when the bark begins to break down it will hold moisture for a longer period, although on the surface it appears to be dry. Be careful at this time not to over water.

When the psuedo bulbs appear dry and shrivelled, it may be due to loss of roots, insufficient water, or lack of humidity in the greenhouse.

As I have mentioned before, when growing in fir bark feeding is a must. Use a 3-1-1 fertilizer. This may be used every other watering, or a half strength solution every watering.

CONTROL OF PESTS

The most likely insect pest found in Cattleya orchids are thrips, greenfly or aphids, scale, millepedes, slugs, snails, mealy bugs and ants.

Cookes Slug and Snail will keep these animals under control. Dioldren is recommended for millepedes and ants. Malathion spray should take care of the rest of the insects. Of course there are other insecticides that will do the job just as well, possibly better. Consult the nurseryman in your area.

An easy one to use is called Smoke Fume 103. It comes in a cardboard container and consists of Tetraethyl Dithiopyrophosphate 15%. Close up the greenhouse late in the evening. Shut off all fans. Punch a hole in the top of the container, insert the fuse, light it, and it is all set to do the job. Next morning open the vents and air out the greenhouse and turn on your fans. This will control spider mites (red spider), aphids, whitefly, and some species of mealy bugs, thrips and soft brown scale.



LC. FRED B. CASTATOR VAR. BEACON.
(Lc. Dorothy Fried x C. Ardentissima "Colossus").

Lavender Cattleyas

We offer the following Lavender Hybrids. We feel confident that you will be highly pleased with any of the varieties you select.

- | | | | | | |
|------|--|---|------|---|-------------------------------------|
| 3648 | <i>C. TETHYS</i> (<i>C. ANNIE J. LINES</i> X <i>C. ARDENTISSIMA</i> , <i>COLOSSAL</i>). One of the finest ARM-ROY hybrids ever produced. Fine dark lavender, some very dark. Growth strong and good. Free flowering. Shape and texture very good. Fall and winter but somewhat variable. A few divisions of our first cross available at times. | 5" \$15.00
5½" 17.50
6" 20.00
7" 25.00 | 4771 | <i>LC. ALLAN-A-DALE</i> (<i>LC. INTEGRITY</i> , <i>STEADFAST</i> X <i>LC. SAVITAR</i>). We have flowered a few of this cross and the sepals and petals are a rich lavender. Darker lip with a rich golden throat. Some are of award quality. Shows great promise. Season seems to be winter. | 5" \$15.00
5½" 17.50
6" 20.00 |
| 4277 | <i>LC. MEM. WALTER L. ARMACOST</i> (<i>LC. CUESTA</i> , <i>COLOSSUS</i> X <i>C. TITYUS</i> , <i>PATRIARCH</i>). The growth habit is robust yet compact. Large flowers of exceptional size, form, and substance with brilliant lavender sepals and petals. Rich frilled deeper lavender lip with pronounced yellow-gold veins. Season is mid-winter. Many of these have already won awards. | 5" \$17.50
5½" 20.00
6" 22.50 | 4864 | <i>LC WYATT EARP</i> (<i>LC. PARADISIO</i> X <i>C. PROSPECTOR</i> VAR. <i>WESTERN HORIZON</i>). When C. Prospector finds the right mate, the growth habit is a delight to the eye of the "Orchid-ist". This truly is a happy combination. Rich lavender flowers, deeper lavender lips with yellow gold marking. Winter. | 5" \$17.50
5½" 20.00
6" 22.50 |
| 4536 | <i>LC. FRED B. CASTATOR</i> (<i>LC. DOROTHY FRIED</i> X <i>C. ARDENTISSIMA</i> , <i>COLOSSUS</i>). A late summer and early fall bloomer. Graceful long stems and exquisite dark flowers with rich gold markings predominate. | 5" \$17.50
5½" 20.00
6" 22.50 | 4879 | <i>LC. COCHISE</i> (<i>C. REMY CHOLET</i> , <i>ORIG.</i> X <i>LC. SAVITAR</i> , <i>HERCULES</i>). Medium lavender sepals and petals. Darker lavender lip with gold veining in throat. Good shape and substance. Season mid-winter. | 5" \$15.00
5½" 17.50 |

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LC. MEM. WALTER L. ARMACOST
(*Lc. Cuesta* Var. *Collossus* x *C. Tityus* Var. *Patriarch*).

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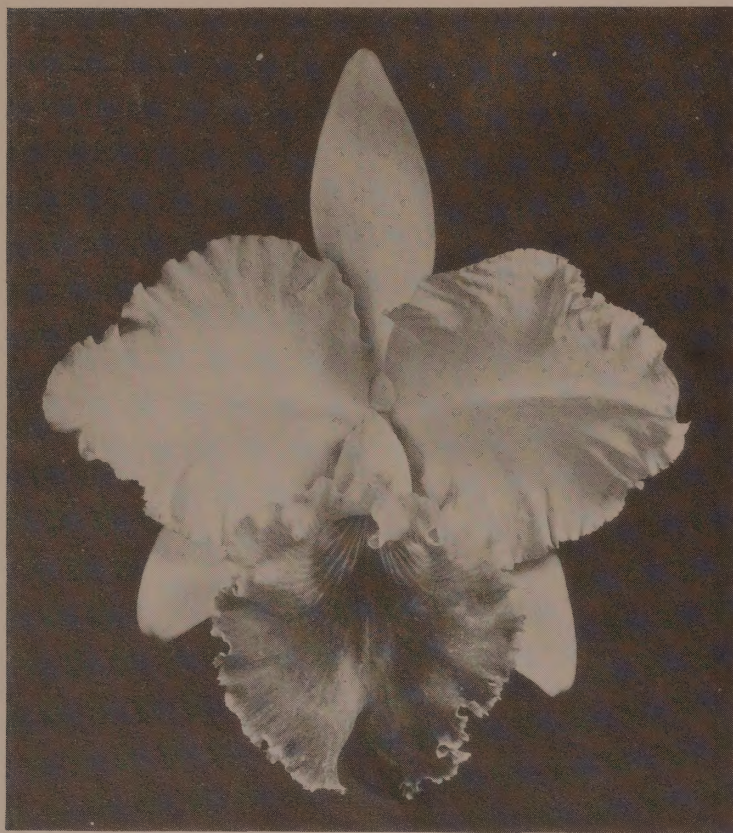
Lavender Cattleyas (cont.)

4880 *LC. LOLA LANE* (C. ENID #2828 X *LC. PARADISIO*). Medium lavender sepals and petals. Darker lavender lip. Very good shape and substance. Season variable. 5" \$15.00
5½" 17.50

4920 *LC. AGNES LINK* (LC. CUESTA #109 X *LC. INTEGRITY*). Large well formed medium dark lavender flowers. Well spaced on long stems. Vigorous grower. Season late fall and winter. 6" \$22.50
7" 27.50

4941 *LC. AGNES LINK* (LC. INTEGRITY #44 X *LC. CUESTA 'CALCUTTA'*). Similar to 4920. 6" \$22.50
7" 27.50

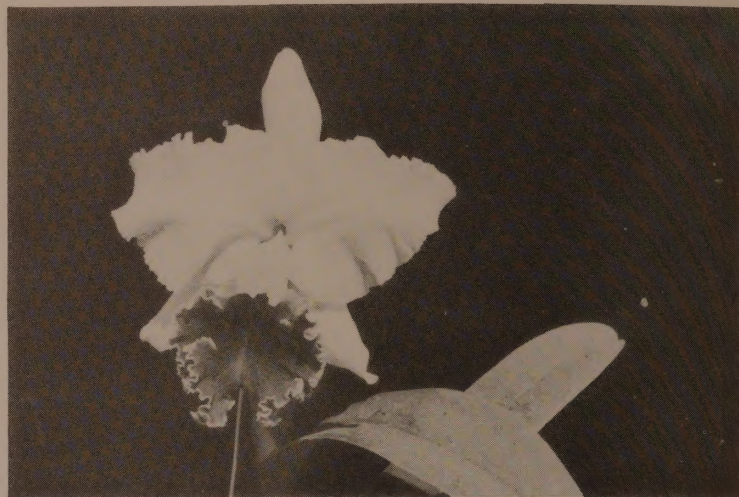
4974 *LC. CHEYENNE* (C. PROSPECTOR 'ROTUNDA' X *LC. MARDUK*). Medium lavender sepals and petals. Darker lavender lip with gold veining in throat. Late winter and early spring flowering predominating early spring. 5" \$17.50
6" 22.50
7" 27.50



LC. WALLET

A-262 *LC. WOOLARD* (LC. DOROTHY FRIED X *LC. GITCHE MANITO*). Medium to dark lavender. Good shape and substance. Some have ruffled petals. Season summer. 5" \$17.50
6" 22.50
7" 27.50

A-328 *LC. WALLET* (C. REMY CHOLET 'VIVICANS' X *LC. MEM. WALTER L. ARMACOST*). Medium to dark lavender blooms. Fine form and substance. Very robust grower. This cross shows good promise. Season winter. 5" \$17.50
6" 22.50
7" 27.50



LC. PRINCESS LIKELIKE

A-370 *LC. ARMAPROSPECT* (C. PROSPECTOR A-288 X *LC. MEM. WALTER L. ARMACOST* #281). Lc. Mem. Walter L. Armacost #281 is one of the darkest we have seen of this cross. Combined with C. Prospector it has produced some outstanding lavender flowers. Season winter. 5" \$17.50
6" 22.50
7" 27.50

A-384 *LC. ROBERTA ANN BAILEY* (LC. DERRYNANE X C. PROSPECTOR 'ROTUNDA'). Large medium lavender flowers of good form and substance. Rich lavender lip with yellow eyes in throat. Robust grower. Season winter to early spring. 5" \$17.50
6" 22.50
7" 27.50

A-405 *LC. PRINCESS MARGARET 'IMPERIAL'* AM-RHS X *LC. CUESTA*. Medium to dark lavender flowers of good form and substance. Season late fall to winter. 4" \$12.50
5" 17.50
6" 22.50

A-466 *LC. H. G. ALEXANDER 'PIONEER'* X *LC. PRINCESS ISHTAR*, AM., RHS. Medium to dark lavender flowers. Gold to yellow veining in throat. Season winter. (Limited quantity available of this cross.) 5" 17.50
6" 22.50

A-467 *LC. PRINCESS LIKELIKE*. (C. LABIATA 'HERCULES' X *LC. PRINCESS ISHTAR*, AM-RHS). Medium lavender sepals and petals. Darker lavender lip with gold to yellow veining in throat. Very robust grower. Normal season seems to be fall. This should be a good controllable hybrid. 4½" \$15.00
5" 17.50
6" 22.50

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Lavender Cattleyas (cont.)

- A-524 *LC. MEM. WALTER L. ARMACOST* 4" \$12.50
'BENEFACITOR' X LC. INTEGRITY 5" 17.50
'STEADFAST'. Here is another Tetraploid combination. Beautiful lavender flowers with rich lavender lips. Gold and yellow throats. Season winter.
- A-548 *C. MAGNIFIQUE X C. PROSPECTOR* 3½" \$10.00
'ROTUNDA'. Both of these parents flower in the spring months, about April. A similar cross using C.J.A. Carbone as a parent turned out some very good quality lavenders for the spring months.
- A-671 *C. TITYUS 'PATRIARCH' X LC. MORRO ROCK*. Should produce good medium to dark lavender hybrids with beautiful rich color combinations in lip and throat. Season winter.
- A-702 *LC. CHEYENNE (C. PROSPECTOR 'ROTUNDA' X LC. MARDUK)*. This is a remake of this late winter and early spring flowering hybrid. Most of them bloom in early spring. Medium lavender sepals and petals. Darker lip with gold veining in throat.



*C. TITYUS 'PATRIARCH'.
 (C. OCTAVE DOIN X C. ENID).
 Proven Tetraploid. Dominate for dark lavender
 lips with gold eyes to rich veining in the throat
 of its progeny.*



*C. PROSPECTOR 'ROTUNDA'.
 (C. Santa Monica x C. Remy Chollet).
 (Diploid).*

- A-738 *LC. R. J. CHRISMAN 'COLOSSUS'* 2½" \$5.00
X C. ANNIE J. LINES 'MAJESTIC'. 3" 7.50
 We expect rich dark lavender flowers for the late fall season.
- A-764 *C. TITYUS 'PATRIARCH' X LC. BONANZA 'TERRITORIAL ENTERPRIZE'* AM-AOS. The introduction of C. Tityus with Lc. Bonanza should enhance the color on the lip and add gold-eyes to yellow markings in the throat. Season winter.
- A-765 *C. TITYUS 'PATRIARCH' X LC. R. J. CHRISMAN 'COLOSSUS'*. Medium to dark lavender flowers of good shape and substance. Vigorous grower. Season late fall to winter.
- A-770 *LC. INTEGRITY 'STEADFAST' X LC. BONANZA 'TERRITORIAL ENTERPRIZE'* AM-AOS. This is another combination that should produce rich brilliant lips and beautiful gold markings in the throat.

Lavender Cattleyas (cont.)



Lc. BONANZA 'MOTHER LODE' AM.
(Lc. Cavalese x C. Prospector).

- A-771 LC. INTEGRITY 'STEADFAST' X 2½" \$5.00
LC. MORRO ROCK. Some very dark 3" 7.50
lavenders with brilliant lavender lips
and gold markings in the throat should
result from this combination. Season
fall to winter.
- A-786 LC. ALLAN-A-DALE 'BALLAD' X 2½" \$5.00
LC. SAVITAR 'HERCULES'. Medi- 3" 7.50
um to dark lavender of good shape and
substance. Brilliant lavender lip.
- A-796 C. PROSPECTOR 'ROTUNDA' X C. 2" \$5.00
MAGNIFIQUE. We hope that this 3" 7.50
combination will produce some much
needed lavender hybrids for the spring
market. Both parents flower in April.

- A-863 LC. FRED B. CASTATOR 'CABAL- 1½" \$ 5.00
LERO' X LC. MEM. WALTER L. 2½" 10.00
ARMACOST 'KOI-I-NUR'. Here is a
Tetraploid combination that should
produce superb dark lavender flowers
of good shape and substance. Fall to
winter.
- A-867 C. TETHYS 'HARVESTER' X LC. 1½" 2.50
FRED. B. CASTATOR 'CABAL- 2½" 7.50
LERO' H.C.C. This should be a good
combination to produce some good dark
lavender blooms of good form and sub-
stance. Late summer and fall season.
- A-876 C. LABIATA 'PILGRIM' X LC. BO- 1½" \$1.75
NANZA 'MOTHER LODE'. AM. We
expect some very good top quality lav-
ender flowers for the fall and winter
flower market, or for light control for
various seasons.
- A-879 C. LABIATA 'ATLAS' X LC. FRED 1½" \$2.00
B. CASTATOR 'CABALLERO' H.C.C.
Here is another combination that should
give us medium to dark lavender flow-
ers of good shape and substance. Season
late summer and fall.
- A-882 C. FABIANID FINE VARIETY X 1½" \$2.00
LC. BONANZA 'MOTHER LODE' 2½" 5.00
AM. Fabianid is a large well formed
flower of heavy substance with long
stems bearing four to five flowers. This
Diploid combined with Lc. Bonanza, a
Tetraploid, should produce some out-
standing lavender Triploids. Season late
fall and winter.



C. FRED B. CASTATOR 'CABALLERO',
Lc. Dorothy Fried x C. Ardentissima 'Colossus'.

Lavender Cattleyas (cont.)



LC. DERRYNANE 'COUNTY KERRY' HCC.
(Lc. Princess Margaret x Lc. Balkis)

- | | |
|---|---|
| <p>A-885 <i>C. FABIANID FINE VARIETY</i> X <i>LC. FRED B. CASTATOR 'INTEGRITY'</i> 1½" \$2.00
Here is another combination with a Tetraploid on a Diploid. It should give us some outstanding dark Lavender hybrids for late summer and fall.</p> <p>A-893 <i>LC. TECOPAH</i> X <i>LC. RAVENSWOOD 'DIABLO'</i> 1½" \$1.75
Medium dark lavender flowers with brilliant velvety lavender lips should result from this cross. Summer to fall.</p> <p>A-896 <i>LC. MEM. WALTER L. ARMACOST 'ETHEL McBOOM' AM.</i> X <i>LC. FRED B. CASTATOR 'CABALLERO' HCC.</i> 1½" \$2.50
Both of these hybrids are dark Lavender of good form and substance, with good breeding in their background. Both are Tetraploids. The result should be well formed dark Lavenders. Late fall to winter.</p> <p>A-800 <i>C. ISOBEL SANDER, DARK VARIETY,</i> X <i>LC. FRED B. CASTATOR 'CABALLERO' H.C.C.</i> 1½" \$2.00
A combination with dark bloodlines in its background. Should produce some very good dark hybrids for late fall and winter.</p> <p>A-903 <i>LC. DERRYNANE 'COUNTY KERRY' HCC</i> X <i>LC. MORRO ROCK.</i> 1½" \$1.75
Medium to dark Lavender hybrids. Yellow eyes and gold veining in the throat. Season summer and fall.</p> <p>A-904 <i>LC. DERRYNANE 'COUNTY KERRY' HCC.</i> X <i>LC. ENNERDALE 'IRENE'.</i> 1½" \$2.00
We expect some outstanding medium to dark Lavender hybrids of very good form and substance. The Lc. Ennerdale used was superb.</p> | <p>A-921 <i>LC. CUESTA</i> X <i>LC. ENNERDALE 'IRENE'.</i> 1½" \$1.75
We expect some very pleasing medium to dark Lavender blooms of good form and substance. Season fall.</p> <p>A-930 <i>LC. BONANZA 'CHARM' H.C.C.</i> X <i>C. SEATTLE 'DOLORES'.</i> 1½" \$2.00
A good combination for exceptionally fine quality Lavender flowers. Season should be winter.</p> <p>A-957 <i>LC. H. B. ALEXANDER 'PIONEER'</i> X <i>C. ISOBEL SANDER</i> (Dark Variety.) 1½" \$1.75
A Diploid and Tetraploid combination, which should produce medium to dark Lavender flowers with a darker Lavender lip. Lc. H. B. Alexander 'Pioneer' is a well formed flower of good form and heavy substance. It is a robust grower. Season fall to winter.</p> <p>A-967 <i>C. PROSPECTOR A-1</i> X <i>LC. MORRO ROCK.</i> 1½" \$2.00
<i>C. Prospector</i> as a Diploid parent needs no introduction. When used in the right combination it has produced some outstanding hybrids. Medium to dark Lavender flowers with rich Lavender lips, of good form and substance are expected from this cross. Season fall and winter.</p> <p>A-969 <i>LC. MEM. WALTER L. ARMACOST 'BENEFACTOR'</i> X <i>LC. BONANZA 'CHARM' H.C.C.</i> 1½" \$2.50
Undoubtedly this cross has been made more than once. Some outstanding Lavender hybrids should result. Season winter.</p> <p>A-975 <i>LC. MEM. WALTER L. ARMACOST 'PATRON'</i> X <i>LC. ALLAN-A-DALE 'TRUBADOR'.</i> 1½" \$2.50
Both parents are superb with good blood lines in their background. We expect some very fine Lavender hybrids with rich dark lips and gold to yellow veining in the throat. Season winter.</p> <p>A-977 <i>LC. ALLAN-A-DALE</i> X <i>LC. BONANZA 'CHARM' H.C.C.</i> 1½" \$2.00
Lc. Allan-A-Dale is a dark Lavender hybrid with rich brilliant Lavender lip. Yellow-gold eyes in throat. Combined with Lc. Bonanza the result should be exceptionally good quality Lavender flowers. Season should be winter.</p> <p><i>LC. BONANZA 'ETTA GRAY' AM.,</i> 4" \$12.50
<i>X SELF.</i> A self cross of this very fine 5" 17.50
Lc. Bonanza. Season winter. 6" 22.50</p> <p><i>LC. LAURIE LYNN</i> (Lc. Cuesta 'Legacy' X Lc. Bonanza 'Etta Gray' AM.) 4" \$12.50
An exceptionally fine hybrid producing 5" 17.50
medium to dark Lavender flowers with 6" 22.50
yellow to gold veining in the throat of the darker Lavender lip. Season winter.</p> |
|---|---|

**ARMACOST
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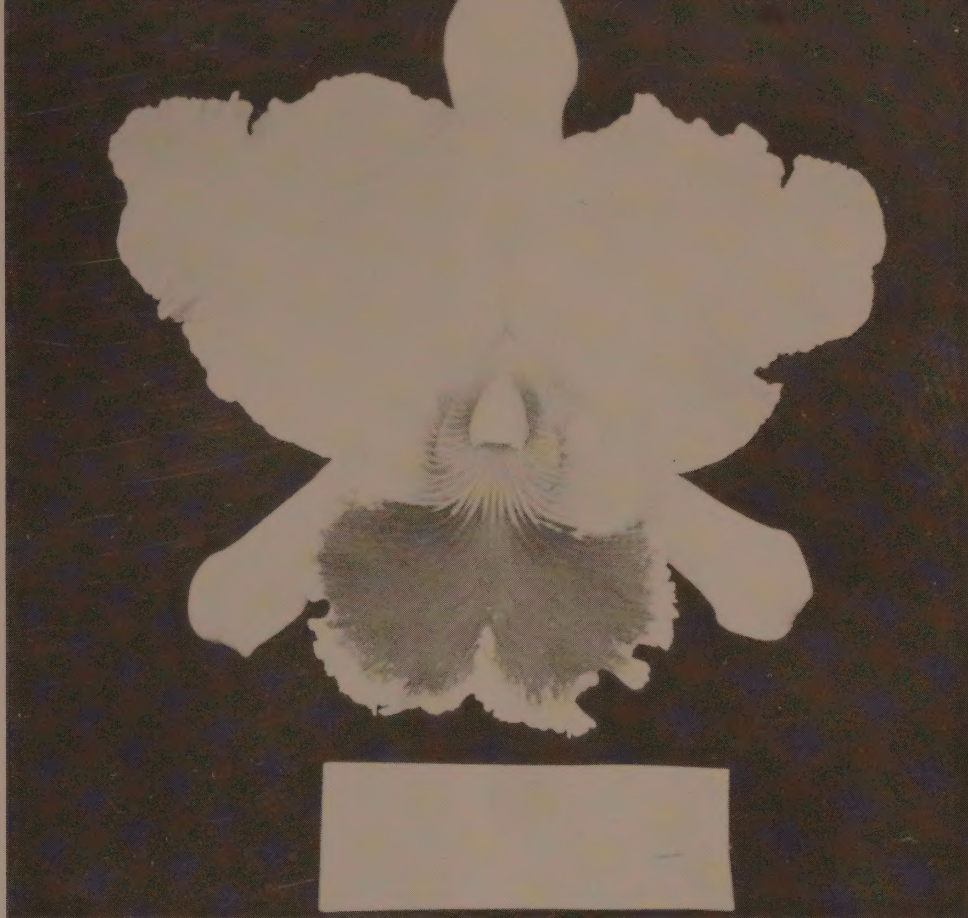


C. ESTELLE ALBA 'CYNOSURE'.
(C. Cowaniae Alba x C. Edithiae.)

*Proven Tetraploid imparts vigor to its progeny.
Tends to increase multiple growth along with
passing on excellent shape and substance.*

**ARMACOST
& ROYSTON**

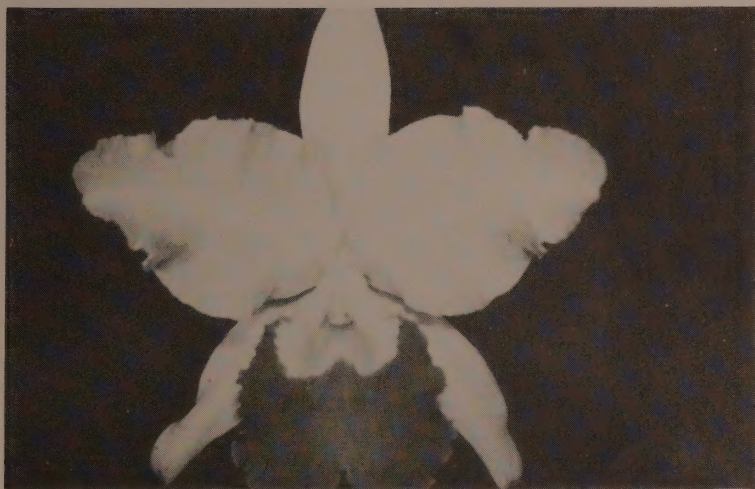
POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



C. KITTYWAKE 'BRILLIANCE', A.M.-O.D.C.
(*C. Luegae Alba* x *Brussels Alba*.)

Cattleyas = Albas

White Sepals and Petals. Colored Lip



C. KITTYWAKE 'BRUNETTE'
X
C. ALWYNII

- A-326 *C. MARGRET LINK* (*C. HURON* X *C. KITTYWAKE*). Here is a combination of two superb Albas. Both parents have very good shape and substance. Season late fall to winter.
- | | |
|-----|---------|
| 3½" | \$10.00 |
| 4" | 12.50 |
| 5" | 17.50 |
- A-399 *C. ALICE BELDING* #300 X *LC. BURDINE JOHNSON*. *C. Alice Belding* is a strong grower and prolific producer. It lacks a little in substance. The introduction of *Lc. Burdine Johnson* has improved the substance and keeping qualities of *C. Alice Belding*. Season summer and fall.
- | | |
|-----|---------|
| 4" | \$12.50 |
| 4½" | 15.00 |
| 5" | 17.50 |
- A-458 *C. TOKEN* (*C. DOUSABEL* X *C. KITTYWAKE*). A very good white with colored lip. Fine form and substance. Season late fall to winter.
- | | |
|-----|---------|
| 4½" | \$15.00 |
| 5" | 17.50 |
| 6" | 22.50 |

Cattleyas = Albas (cont.)

- A-501 *C. LINDO MAR* (*C. BRUSSELS* X *C. KITTYWAKE* 'BRILLIANCE') A.M.-O.D.C. We have seen a few of these flowers and they are outstanding. Some have a Mossiae type lavender lip with a white edge around the lip. Others have a solid lavender lip. Yellow to gold veining in throat. Season winter.
- | | |
|-----|---------|
| 4½" | \$15.00 |
| 5" | 17.50 |
| 6" | 22.50 |

- A-958 *C. HURON* X *C. ALWYNII*. This should be a fine combination. Both parents are vigorous growers and very prolific. Some with Mossiae type lip. Some solid lavender lip. Good form and substance. Season winter.
- | | |
|-----|--------|
| 1½" | \$1.75 |
|-----|--------|



C. ALICE BELDING



C. HURON
(*C. Mossiae* *Reineckiana* X *C. Nutley Alba*)

- 3931 *C. ALICE BELDING*. (*C. Mary Chilton alba* x *C. Vivian alba*). Sepals and petals clear white with bright solid purple lip. One of our most popular Albas. Season predominantly summer.
- | | |
|-----|---------|
| 5" | \$15.00 |
| 5½" | 17.50 |
| 6" | 20.00 |
- 509 *C. KITTYWAKE* 'BRUNETTE' X *C. ALWYNII ALBA*. Dark to medium lavender lip. Some with white edging around lip. Yellow to gold throat.
- | | |
|----|---------|
| 4" | \$12.50 |
| 5" | 17.50 |
| 6" | 22.50 |
- A-959 *C. HURON* X *LC. CYNTHIA*. Similar to A-958 but with the possibility that there will be more plants with solid dark lavender lip. Season fall and winter.
- | | |
|-----|--------|
| 1½" | \$1.75 |
|-----|--------|
- A-961 *C. KITTYWAKE* 'BRUNETTE' X *C. HURON*. Here are two vigorous and prolific parents. Large flowers with good lavender lips. Should produce some outstanding semi-albas. Season fall and winter.
- | | |
|-----|--------|
| 1½" | \$1.75 |
|-----|--------|
- A-962 *C. KITTYWAKE* 'BRUNETTE' X *LC. CYNTHIA*. This is another good combination. Should result in very good semi-albas with good form and substance. Season fall and winter.
- | | |
|-----|--------|
| 1½" | \$1.75 |
|-----|--------|

Cattleyas = Pure White

We offer these White Cattleyas with confidence. Some of them are the best to be had on the market today.

3922 *C. WHITE SAIL* (*C. OLIVE PEAR-SON* X *C. BEBE WHITE*). Large flow-
ers. Clear solid white with much less
yellow in throat than the average white
cattleya. Late fall bloomer.

4026 *C. EDITHIAE* (*C. SUZANNE HYE*
X *C. TRIANAE ALBA* 'BROOM-
HILL'). *C. Edithiae* is a winter white
but can be controlled for the spring
season.

A-190 *C. ARCTIC SNOW* (*C. ESTELLE*
ALBA X *C. SOUVENIR DE LOUIS*
SANDER). This is a remake of this
cross using the identical parents of our
first cross which produced such wonder-
ful plants. It has proven to be one of
the most prolific white cattleyas we have
ever seen. A marvelous grower flowering
during the Easter season.



C. LOS GATOS

4761 *C. LOS GATOS* (*C. BARBARA BIL-
LINGSLEY* X *C. ESTELLE ALBA*
'*CYNOSURE*'). A beautiful pure white
with rich gold flush in throat. One of
the most robust growers we have seen.
Season spreads from October to April.

A-324 *C. CERRO BLANCO* (*C. WHITE*
SAIL X *C. BOB BETTS* 'CAM-
ERON'). Here is a combination that
has lived up to our expectations. The
dozen or so we have seen bloom are su-
perb. Tall erect spikes. Flowers well
spaced on the stem. Very good form
and substance. Late fall to winter.



C. CERRO BLANCO

A-325 *C. ESBETTS* (*C. ESTELLE ALBA*
'*CYNOSURE*' X *C. BOB BETTS*
'*CAMERON*'). For those of you who
are interested in Tetraploids with good
potential stud stock for future breed-
ing this should be a top white.



C. ESBETTS

Cattleyas = Pure White (cont.)



C. BOB BETTS 'CAMERON'.
(C. Bow Bells X C. Mossiae Wageneri).

- A-327 C. FAIR LADY (C. MT. SHASTA X C. BOB BETTS 'CAMERON'). This is a good robust grower and very prolific. Outstanding whites for exhibition or commercial use. Season late fall to winter.
- | | | |
|----|---------|--|
| 4" | \$15.00 | |
| 5" | 20.00 | |
| 6" | 25.00 | |
| 7" | 30.00 | |
- A-352 C. SOUTHERN LADY (C. FLORENCE PATTERSON X C. BOB BETTS 'CAMERON'). Very fine whites. Good form and substance. Robust grower. Season late fall to winter.
- | | | |
|----|---------|--|
| 4" | \$15.00 | |
| 5" | 20.00 | |
| 6" | 25.00 | |
| 7" | 30.00 | |
- A-556 C. MT. RAINIER 'GOLIATH' X C. BOB BETTS 'CAMERON'. This combination should produce some very good Triploid whites. Season late fall to winter.
- | | | |
|-----|---------|--|
| 3½" | \$10.00 | |
| 4" | 12.50 | |
| 5" | 17.50 | |
- A-654 C. ESTELLE ALBA 'CYNOSURE' X C. EMPRESS BELLS 'OLYMPUS'. A superb white combination. Late fall to winter.
- | | | |
|-----|---------|--|
| 2½" | \$ 5.00 | |
| 3" | 10.00 | |
| 4" | 15.00 | |
- A-685 C. ESTELLE ALBA 'CYNOSURE' X C. BOW BELLS 'SNOWFLAKE' FCC-AOS. How can a combination such as this miss? We expect superb whites. Season winter.
- | | | |
|-----|---------|--|
| 2½" | \$ 5.00 | |
| 3" | 10.00 | |
| 3½" | 12.50 | |
- A-688 C. EMPRESS BELLS X C. BOW BELLS 'SNOWFLAKE' FCC-AOS. A back cross of C. Empress Bells onto its famous parents. Some good exhibition whites should result. Season winter.

A-756 C. MT. RAINIER X C. EMPRESS BELLS (STEPHENSON). Another outstanding white combination. Should be very prolific. Season winter.

2½"	\$ 5.00	
3"	10.00	

A-781 C. CERRO BLANCO (C. WHITE SAIL 'SEAGULL' X C. BOB BETTS 'CAMERON'). A remake of this hybrid. The few we flowered last season of the original cross showed good promise. Tall sprays of flowers, well above the foliage. Winter.

2½"	\$ 7.50	
3"	10.00	
3½"	12.50	

A-836 C. GASKILLIANA ALBA 'WHITE HERITAGE' X C. SUSANNE HYE ALBA, FINE VARIETY. This cross was made with the hope that C. Gaskilliana would hold the blooming season to summer.

1½"	\$1.75	
2½"	3.50	

A-928 L. ANCEPS ALBA 'BULL'S VARIETY' X C. CLAESIANA. This should be an interesting cross. Possibly an intermediate of the two in growth habit. We hope for a better form and substance in a Laelia Anceps type of white flower that can be grown out of doors in the warmer regions.

1½"	\$2.00	
2½"	5.00	



C. FLORENCE PATTERSON.
(C. Clementine Goldfarb x C. Rita Sladden).

A-949 C. WHITE SAIL X C. HANNIWELL 'SNOW WHITE'. This combination was made to try and get stem length and better flower separation on the spray of some of our modern whites. This selected form of C. White Sail has very tall erect flower spikes with good flower separation. Season fall.

1½"	\$2.00	
2½"	5.00	

Cattleyas = Pure White (cont.)



C. BOB BETTS 'LEO HOLGUIN' FCC-ODS.
(C. Bow Bells X C. Mossiae Wageneri).

A-1030 C. BOWBELLS 'LONDON PRIDE' 1½" \$2.50
SELF #133 X C. BOW BELLS 'LONDON PRIDE' #88. C. Bow Bells 'London Pride' self is one of the finest C. Bow Bells we have seen. Mated to another C. Bow Bells equally as good we feel that the progeny will produce a second generation strain of very fine C. Bow Bells. Season late fall and winter.

A-1034 C. NORTH STAR X C. ESTELLE 1½" \$2.50
ALBA 'CYNOSURE'. This should be another outstanding white combination. Season late fall to winter.

A-1055 C. NORTH STAR X C. BOB BETTS 1½" \$2.50
'LEO HOLGUIN' FCC-ODS. This should be a superb white. Both parents are outstanding whites. Good form and substance. Season late fall to winter.

Cattleyas = Brassolaeliocattleya Types And Yellows

Brassolaelio Cattaleya types are, for the most part, very vigorous growers. The introduction of Yellow Brassos onto Yellow Cattleyas has resulted in more vigorous growing Yellows with less deformity, and producing some unusual colors.

4149 BLC. JOSIE ARONSON (C. TAM-BORA X BLC. QUEEN OF THE BELGIANS). Light to dark rose tinted sepals and petals with green to yellow throat. Truly a beautiful flower. Good form and substance. Late fall and winter. 6" \$22.50
7" 27.50

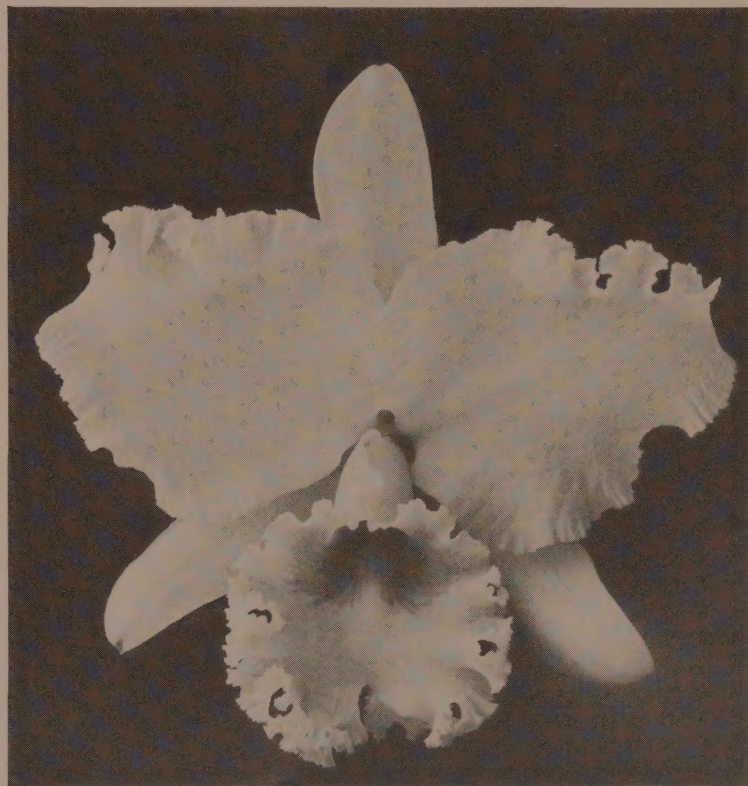
4205 BLC. NACOUCHEE (C. ESTELLE ALBA X BLC. HEADON). One of the most prolific and beautiful flowering Brassos we have ever seen. Pastel shades of pink with green throats. Large well formed flowers of good substance. A must in every collection. Late fall and winter. 6" \$22.50
7" 27.50

A-1 BLC. GOLDEN FEATHER (C. PROBITY X BLC. JOYANCE). This has been a consistently good Yellow Brasso. Shades of yellow to salmon with red to lavender lip. Strong grower. Season summer and fall. 5" \$17.50
6" 22.50
7" 27.50

A-2 BLC. OROVILLE (BLC. JOYANCE X C. DOWIANA AUREA). Very similar to A-1 but has produced more clear yellows. Vigorous grower. Summer and fall. 5" \$17.50
6" 22.50
7" 27.50

A-300 BLC. NACOST (BLC. NACOUCHEE X LC. MEM. WALTER L. ARMACOST). This has been a pleasing combination. Colors range from light to dark lavenders with green to yellow throat. Fine form and substance. Winter bloomer. 5" \$17.50
6" 22.50

A-587 BLC. BERTTON (LC. GATTON GLORY X LC. MEM. ALBERT HIENKE 'HANES'). Some very good yellow hybrids have resulted from this combination. The first plants that bloomed showed no deformities. Good form and substance. Season summer. 3" \$ 7.50
4" 12.50
5" 17.50



C. BOW BELLS 'LONDON PRIDE' SELF.
(C. Edithiae X C. Suzanne Hye.)

Cattleyas = Brassolaeliocattleya Types And Yellows (cont.)



LC. GATTON GLORY.
(Lc. Canberra x C. Mimosa).



BLC. HERON'S GHYLL 'COLOSSUS' AM.
(Lc. Ishthar x Blc. Norman's Bay).

A-687 BLC. NACOUCHEE 'FANTASIA' X 2½" \$5.00
C. EMPRESS BELLS 'LILY'. This is 3" 7.50
a white onto a pink colored brasso. Some beautiful pastel colors should result. Green coloring and markings in the throat. Good form and substance. Season winter.

A-774 BLC. APRICA X LC. MEM. ALBERT HIENKE. 2" \$5.00
A yellow brasso 3" 7.50
crossed onto another Lc. Yellow. Should result in good vigorous yellows with no deformities. Season summer.

A-849 C. LUEGEA 'FULFILLMENT' X LC. 2½" \$5.00
GRANDE 'JULES FURTHMAN'. 3" 7.50
Some pleasing combinations of yellows, apricots, salmons and bronze should result from this hybrid. Summer.

A-871 BLC. JOYANCE #135 X LC. GRAN- 1½" \$2.00
DEE 'JULES FURTHMAN'. We ex- 2" 5.00
pect yellow to sunset hues. Good robust grower. Summer.

A-892 LC. MORRO ROCK 'WARRIOR' X 1½" \$2.00
BLC. HERON'S GHYLL 'COLOS- 2½" 5.00
SUS'. Beautiful dark lavender brassos should result from this cross. Season fall to winter.

A-902 LC. R. J. CHRISMAN 'COLOSSUS' 1½" \$2.50
X BLC. HERON'S GHYLL 'COLOS-
SUS' AM. This cross should produce some outstanding dark brassos. Both parents are superb. Season fall and winter.

A-924 BLC. PASTEL X C. BOB BETTS 1½" \$2.00
'CAMERON'. A similar cross of this hybrid was made earlier, using C. Pearl Harbor. Not many of these plants were grown on but the few that have flowered have been rewarding. Near white sepals and petals with a touch of green in the throat. Very good form and substance. Season fall to winter.

A-927 BLC. PASTEL X C. BOW BELLS 1½" \$2.00
'SNOWFLAKE' FCC. Similar to A-924. Well formed flowers. Colors from light pink to near white sepals and petals. Season fall to winter.

A-931 BLC. HERON'S GHYLL 'COLOS- 1½" \$2.50
SUS' AM X C. BOW BELLS 'SNOWY
RIVER' AM. There has been a similar cross made using Blc. Norman's Bay as a parent. We have not seen many in bloom. However, there have been some very dark well formed brassos result from this combination. Season should be fall and winter.



BLC. GOLDEN FEATHER 'SUNRAY'. H.C.C.
(C. Probity x Blc. Joyance).

**ARMACOST
& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



C. PORTIA
(Bifoliate Type Orchid)

Bifoliate Type Orchids

These cluster type cattleyas in white and lavender are becoming more popular every day. Plants are vigorous growers and very floriferous. They can be grown on to huge specimen plants that are a joy to behold when in full bloom.

- | | | | |
|--|---|--|---|
| <p>A-37 C. STARFIRE (C. SNOW SONG X C. VESPER). A medium size white of the cluster type. Very good shape and substance. Season fall to winter.</p> | <p>5" \$17.50
6" 22.50</p> | <p>A-312 C. LITTLE MOE (C. PORCIA 'CANNIZARO' AM. X C. PRIAM VERY FINE VAR.). Here is a remake of a very interesting cross. A-311 and A-312 are reciprocal crosses. Medium to dark lavender blooms of medium size on tall arching sprays. Season fall.</p> | <p>4" \$10.00
5" 15.00
6" 20.00</p> |
| <p>A-245 C. THEODORA WESTENBURGER (C. CLAESIANA X C. BOB BETTS 'GLACIER'). One of the most vigorous growers in the white bifoliate we have ever seen. Good form and substance for this type. Some are clear white with very little trace of color in the throat. Season variable, sometimes flower twice a year.</p> | <p>4" \$15.00
5" 20.00
6" 25.00</p> | <p>A-511 C. LITTLE SUSIE (C. PORCIA 'CANNIZARO' AM-RHS X LC. MOLLY TYLER FCC-AOS.). We have flowered a few of these and they show great promise. Petals and sepals dark lavender with darker lavender lip. Just a touch of gold in the throat. Season late fall.</p> | <p>4" \$12.50
5" 17.50
6" 22.50</p> |
| <p>A-311 C. LITTLE MOE (C. PRIAM VERY FINE VAR. X C. PORCIA 'CANNIZARO' AM.)</p> | | | |

Bifoliate Type Orchids (cont.)

- | | |
|--|---|
| <p>A-657 <i>C. PORCIA</i> 'CANNIZARO' AM-RHS 3" \$ 7.50
 <i>X LC. GEORGE MACDONNEL</i> 4" 12.50
 <i>'FORMA'</i>. Beautiful dark lavender flowers of the bifoliate type, medium size, and of good form and substance should result from this cross. Season fall.</p> | <p>A-992 <i>C. EL CERRITO</i> 'DOVE' <i>X C. CLAESIANA</i>. A medium size white of the 1½" \$1.75
 2" 5.00
 cluster type. One of the ever popular bifoliate. Tall flower spikes with from six to eight flowers. Season fall. Can be variable.</p> |
| <p>A-659 <i>C. PORCIA</i> 'CANNIZARO' AM-RHS. 2½" \$ 5.00
 <i>X LC. IBBIE</i> AM-AOS. This is another bifoliate type combination which 3" 7.50
 4" 12.50
 should result in medium to dark lavender flowers of good shape and substance. Season fall.</p> | <p>A-947 <i>C. PORCIA</i> 'CANNIZARO' AM-RHS 1½" \$2.00
 <i>X LC. GEORGE MACDONELL</i> 2" 5.00
 <i>'MIDNIGHT'</i>. Some very dark lavers of good form and substance should result. Season fall.</p> |
| <p>A-660 <i>LC. GEORGE MACDONELL X LC. IBBIE</i> AM-AOS. We expect beautiful 3" \$ 7.50
 3½" 10.00
 dark lavender blooms of medium size. 4" 12.50
 Season late fall. (Limited.)</p> | <p>A-979 <i>C. CLAESIANA X C. EL CERRITO</i> 1½" \$1.75
 2" 5.00
 <i>'PALOMITA'</i>. Similar to A-922. However, here we used a different <i>C. El Cerrito</i>.</p> |
| <p>A-910 <i>C. LITTLE SUSIE (C. PORCIA</i> 1½" \$1.75
 <i>'CANNIZARO'</i> A.M.-R.H.S. <i>X LC. MOLLY TYLER FCC)</i>. This is a remake of this outstanding dark bifoliate using the identical parents. This has proven one of the most beautiful and popular bifoliate ever developed. 2½" 5.00</p> | <p>A-989 <i>C. VESPER X C. BOB BETTS</i> 'LEO 1½" \$2.00
 <i>HOLGUIN'</i> FCC. Well formed medium size whites with heavy substance should result from this cross. Season fall and winter but could be variable.</p> |

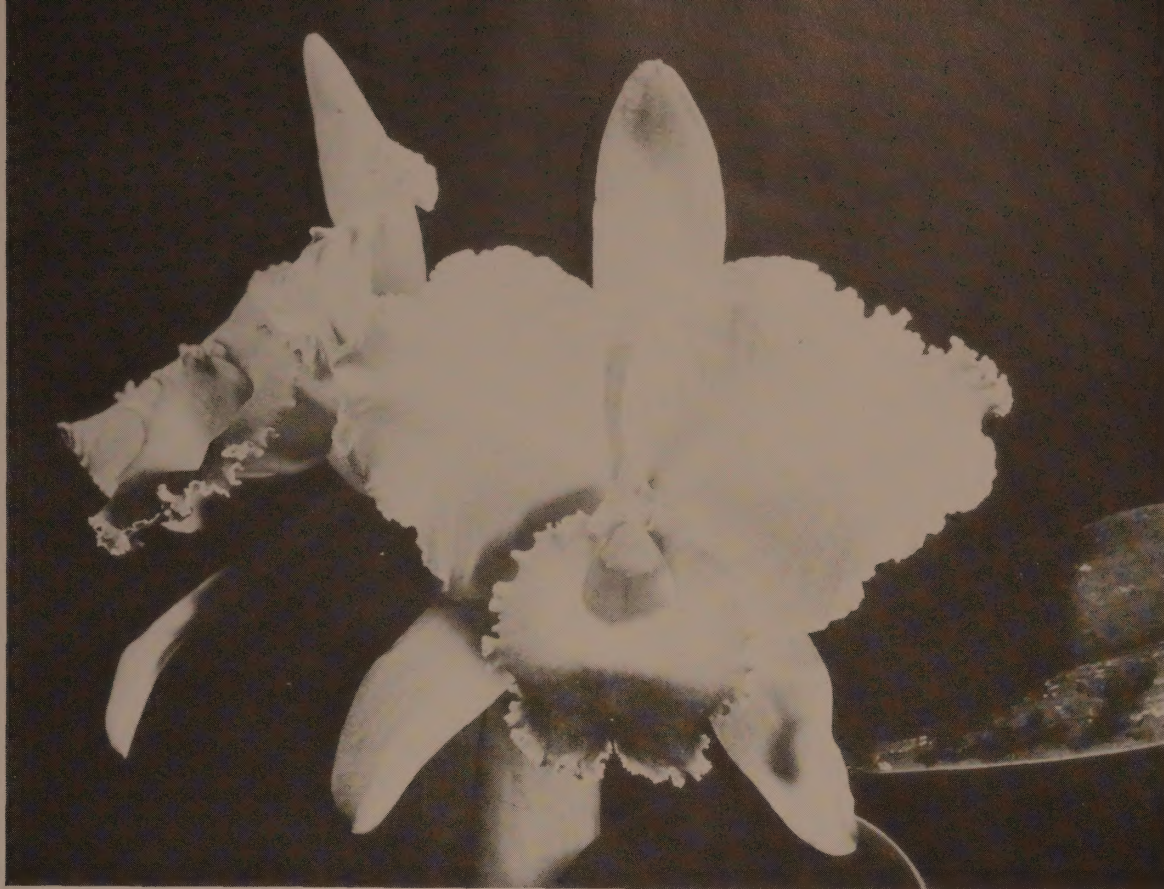
In addition to the above bifoliate we have large plants of:

C. PORTIA 'MAYFLOWER'. Plants \$35.00
up to eight bulbs available. We can establish smaller divisions upon request.
Four bulb plants

C. PORCIA 'CANNIZARO' AM-RHS \$35.00
Most divisions are four bulbs and larger, but we can establish smaller divisions. Two bulb plants.

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POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



C. TRIANAE 'BLUEBIRD'. H.C.C.
(Species).

Blue Shades Cattleyas

We have a limited number of cattleyas ranging in colors of light blue sepals and petals with darker blue lip. Some have white sepals and petals with blue lip. Various combinations have been made with these plants in the hope that we can intensify the blue color. At this point we do not know which parent has a dominant blue factor. We do not have many blue crosses to offer but hope to have more in the near future.

- | | |
|---|--|
| <p>A-758 BLC. NACOUCHEE X C. TRIANAE 1½" \$2.00
'BLUEBIRD' H.C.C. This is an interesting combination. The C. Trianae 'Bluebird' is a self from a blue C. Trianae. The sepals and petals are light blue with a deeper blue in the lip. The Blc. Nacouchee had a violet tinge on the sepals and petals. Some very interesting colors should result from this experimental cross. Season should be fall.</p> | <p>A-996 L. PURPURATA 'NOVELTY' X C. 1½" \$2.50
TRIANAE 'BLUEBIRD' H.C.C. Similar to A-995 but better form. Possibly a little more blue in color. Season fall and winter. Quantity limited.</p> |
| <p>A-995 LC. SCHILLERIANA (L. PURPURATA 'NOVELTY' X C. INTERMEDIA 'COERULEA'). We hope for a blue strain of this hybrid. L. Purpurata 'Novelty' has white sepals and petals, light blue lip. C. Intermedia 'Coerulea' has very light blue sepals and petals with darker blue lip. Season fall and winter.</p> | <p>A-1100 C. TRIANAE 'BLUEBIRD' H.C.C. X 1½" \$2.50
C. BOB BETTS 'LEO HOLGUIN' FCC. This is a speculative cross. There could be some very well formed flowers with white sepals and petals, blue lip, or light blue sepals and petals with a darker blue lip. Season fall to winter.</p> |
| | <p>A-1108 C. OLIVIA (C. INTERMEDIA 1½" \$2.50
'COERULEA' X C. TRIANAE 'BLUEBIRD' H.C.C.) We are banking on this blue strain of C. Olivia. Both parents are blue. Some very good blue shades should result from this hybrid. Good form and substance. Season fall and winter.</p> |



C. EL CERRITO
(C. Henrietta Japhet X C. Snowsong)

**ARMACOST
& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA

The Cypripedium Orchid

Considered the easiest to grow of the many kinds of orchid plants. This lovely orchid takes its name from the Greek, meaning "Venus Slipper." All of its species can be identified by the pouch, or slipper-like lip of the flower. The flowers are long lasting and the colors are breath-taking, varying from white through butter-yellow to deep purple-brown. The attractive variations of the markings make this an ever interesting, ever popular plant. The principal blooming seasons are Fall and Winter.

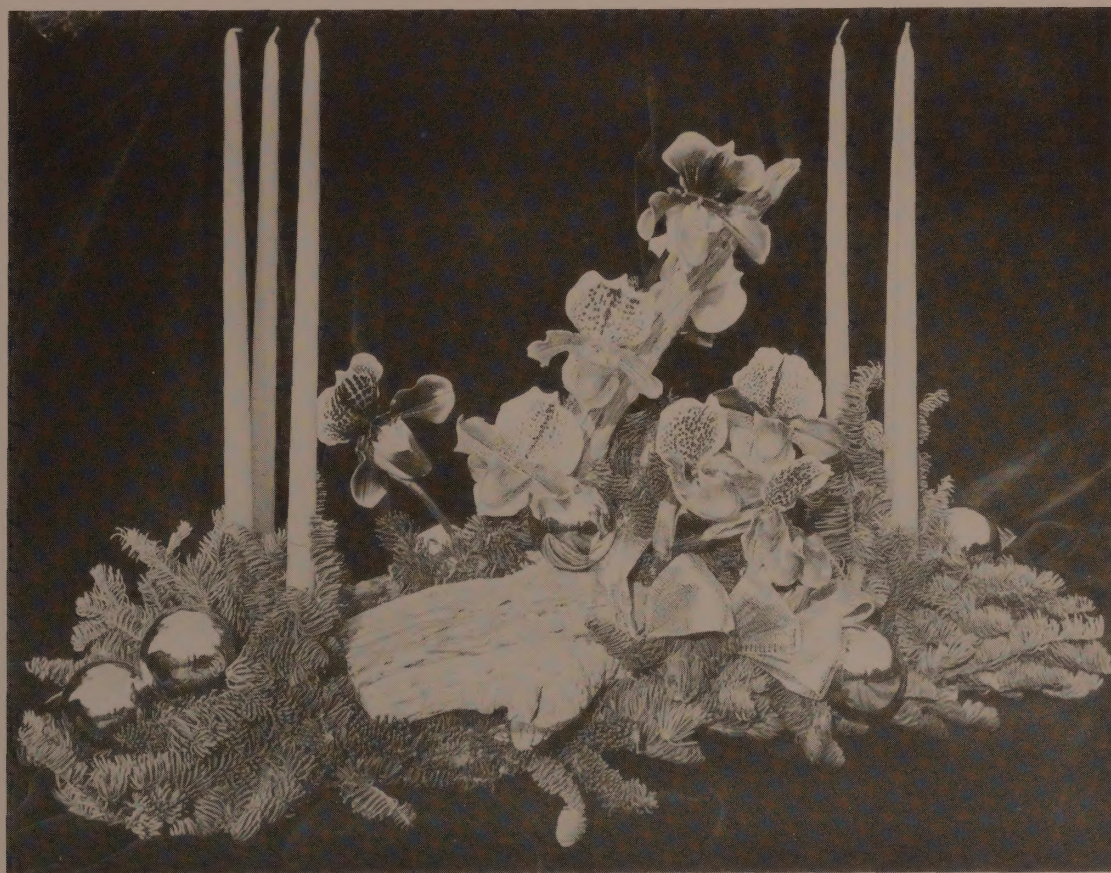
If you could step into a house of these lovely and charming orchids, with their individual variations of marking, you too would want to own a few plants. It is our opinion that this beautiful orchid has not been utilized to its fullest advantage. It is valuable for making floral arrangements and corsages for informal wear.

Cypripedium prices quoted in this catalog are for flowering sized plants in four and five inch pots.

Cultural Instructions For Cypripediums

Osmunda is a standard potting medium for all varieties of Cypripediums. However, we have been using a potting mixture of one part fine silt to three parts finely screened fir bark with very good results. The plants require more shade than do Cymbidiums. In cool, damp climates more

sunlight should be provided than in hot, dry climates. The color of the leaves is a good indication as to whether or not correct lighting is being provided. Dark green leaves — too much shade; olive-green leaves — correct lighting; yellow-green leaves — too much light.



Cypripedium Arrangement.

The Cypripedium Orchid (cont.)

The following are considered warm growing varieties and should do well in warm climates. They grow as well for us as our cool growing varieties. Nearly all of the following varieties flower several times a year. Prices are per plant with an average of three to four growths.

<i>ALBION (ASTARTE X NIVEUM)</i> . This is a very near perfect white Cypripedium.	\$20.00	<i>F. C. PUDDLE FCC-RHS AM (ACTAEUS BIANCA X ASTARTE)</i> . Excellent shape and texture, glistening white except for tinting of pale yellow on the staminode. Rounded, niveum type lid.	\$35.00
<i>ASTARTE (INSIGNE SANDERAE X PSYCHE)</i> . White. Splashed citron green on the lower part of the dorsal and petals.	\$15.00	<i>ROSY DAWN AM-RHS (GWEN HANNEN ALBUM X ASTARTE)</i> . Amply proportioned and well balanced, this mybrid is porcelain white, exquisitely tinged with blush. There are rose specklings at the base of the sepals and petals and the lip is white with a pink flush.	\$25.00
<i>CHASTITY (ASTARTE X NELL GWYNE)</i> . An exceptionally fine white Cypripedium.	\$22.50		

**WHITE CYPRIPEIDIUMS ARE IN LIMITED QUANTITY.
ORDERS ACCEPTED SUBJECT TO PRIOR SALE.**

<i>ALMA GEVAERT (LAWRENCEANUM V. HYEANUM X MAUDIAE)</i> . Similar to Cyp. Maudiae but of a softer shade of green. Very attractive. Stronger growing and very free flowering.	\$10.00	<i>HARRISIANUM V. SUPERBUM, G. S. BALL'S VAR. (BARBATUN X VILLOSUM)</i> . This beautiful Cypripedium is almost entirely Indian red in color. There is but a touch of green in the central area and a slight fusion of perilla purple in the dorsal veins. The small area of white in the upper dorsal emphasizes by strong contrast the dark coloring. The entire flower has a shiny shellacked appearance and eye-lash trim. It is a very free bloomer with beautiful mottled foliage.	\$12.50
<i>CLARE DE LUNE AM-RHS (EMERALD X ALMA GEVAERT)</i> . This very lovely form of Maudiae Mag. bears immense flowers, having white dorsal, streaked in green with green pouch and petals. The very best obtainable variety of this type.	\$35.00	<i>MAUDIAE VAR. MAGNIFICUM FCC-RHS (CALLOSUM, SANDERAE X LAWRENCEANUM HYEANUM)</i> . Probably the most profitable cut-flower Cypripedium, this green and white hybrid blooms throughout the entire year. Beautiful mottled foliage.	\$10.00
<i>GOWERIANUM GRATRIXIAE (CURTISII X LAWRENCEANUM)</i> . The green veins on the dorsal of this Cypripedium are against pure white and precisely arranged. The petals are similarly marked but become solid in color as is the pouch.	\$ 7.50	<i>ROSSETTI VAR. MAGNIFICUM (INSIGNE, SANDERIANUM X MAUDIAE)</i> . This lovely yellow bloom has very light green at its dorsal while the upper third is white.	\$12.50
<i>HOLDENII, W'BIRT VAR. (CALLOSUM, SANDERAE X MAUDIAE)</i> . This is very similar to Cypripedium Maudiae. Perhaps a softer green.	\$ 7.50		

**ARMACOST
& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



CYP. F. C. PUDDLE FCC-RHS AM
(*Actaeus Bianco* X *Astarte*)

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA

ARMACOST
& **ROYSTON**

Cypripediums (cont.)

**THE CYPRIPEDIUM PLANTS IN THIS GROUP
ARE ESPECIALLY PRICED AT \$10.00 EACH — FIVE PLANTS FOR \$40.00
APPROXIMATELY FOUR GROWTH PLANTS**

ANSUN (ANITA X SUNBEAM). Apple green. Medium size. Very prolific.

CRESCENT MEADOW (AGNES DE BURC X MARGARET MACCAULL). The name suggests refreshment and satisfaction. The pouch and petals are golden amber green crowned with dorsals varying in color range from driven snow to shades of delicate amber green.



CYP. MARIANO MARTIN.

HARRY CARTWRIGHT (TALEGA X SIERRA VERDE). Apple green. Some have white edge on dorsal. Medium size.

LEYBURNENSE VARIETY MAGNIFICUM (SYN. MRS. HAYWOOD). A gay flower is Leyburnense Magnificum, delightful in its almost solid coloring of perilla purple. It has a round, even appearance void of ruffled edges and is a frequent bloomer seldom varying.

MARIANO MARTIN (CRESCENT MEADOW X DENEHURST). Apple green dorsal. White edge. Yellow-green pouch. Some are all green in color. Medium size flower.

MME. ALBERT FEVRIER (GERMAINE OPOIX X INSIGNE). The dorsal is green with reddish brown spots. Center of petals green with brown spots. Outer edge of petals Indian red. Pouch Indian red.

THE MAJOR, BECKTON'S VARIETY (GASTON BULTEL X HARRISIANUM, SUPERBUM). The beautiful dorsal of this bloom presents a study in design. The white edges contrast with the mass of vinaceous purple darkening into a Mars-violet-almost-black prevalent in radiating veins, and is accentuated by a center dividing line of shiny deep Indian red. The Mars-violet petals tipped with citron yellow are neatly trimmed with short hair lashes. Pale citron-green to white with a giant flush of vinaceous purple best describes the sepal.

**THE CYPRIPEDIUM PLANTS IN THIS GROUP
ARE ESPECIALLY PRICED AT \$7.50 EACH — SIX PLANTS FOR \$30.00
APPROXIMATELY FOUR GROWTH PLANTS**

BAHRAM (ANITA X GRACE DARLING). Similar to Graceful this good sized light flower displays bright hues of light yellow-green to lumiere green. The color, however, almost completely covers the dorsal.

CYCLOPS (ACTAEUS X FULSHAWENSE). A wide, square-like pouch and a broad look describe this flower, a good bloomer of medium size. The color scheme is not vivid but combines a neutralized dark Indian red, sorghum brown and apple green. There are very interesting large dark freckles on its wide dorsal face.

CORSAIR (NIOBE X NITENS). Large size. Natal brown pouch. Petals natal brown and yellow green. The dorsal is yellow-green at the base shading into white and lined with deep purple.

HADRIAN (BEACON X LEEANUM). A very good bloomer is Hadrian whose basic color throughout is olive yellow subdued by brighter apple green veins in the slightly spotted dorsal and intensified in the petals and pouch tip, while the upper pouch is Prussian red.

HESTIA (CYCLOPS X LADY DILLON). This free-blooming and large bloom displays a soft color scheme. Its dorsal veined somewhat in apple green is graced by many dull purple spots becoming almost solid in color towards the center. This is balanced by a large Prussian red pouch and wide petals of a less intense color.

MARTIN (BOURTON LADY X SWALLOW). The sharp coloring of large dark Indian red spots over apple green veining and plain white helps to make this massive free bloomer attract the eye. In the petals it repeats the combination to a less intense degree and adds shadings of russet borrowed from the pouch, solid in that color.

PUBLICAN (MARTIN X LORD WOLMER). Medium size, with full white-edged dorsal of apple green, boldly freckled with Indian red spots. The pouch and petals are Indian red edged in light greenish-yellow. The "different" touch is given this orchid by the pale green coloring of the lower central part of the petals, dotted with miniature spots of Indian red.

**ARMACOST
& ROYSTON**

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Cypripediums (cont.)

EASY ON THE BUDGET VARIETIES

**\$5.00 EACH
FOUR FOR \$15.00**

GLENARM (THRUSH X GERMAINE OPOIX). Glen-arm is a strong free-blooming cypripedium. The typical waxy dorsal has a vivid dark Indian red color fusing over apple green to perilla purple to white. The sepal repeats the deepest red color of the dorsal blending to a dull apple green, the same combination of which covers the pouch.

INSIGNE VARIETY HAREFIELD HALL. The background of this bloom is a yellow-green. The petals are slightly marked with brown and the dorsal has a white border. It is a very large bloom.

LEEANUM VAR. CLINKABERRYANUM. Medium size. Brownish yellow pouch and petals. The base of the dorsal is cress green with deep white tip flecked with small purple spots.

LEEANUM VARIETY SUPERBUM. Medium size. Brownish olive pouch. Cress green petals slightly flecked with purple lines. Base of dorsal cress green fading into white toward the tip.

MADAME ALBERT FEVRIER (GERMAINE OPOIX X INSIGNE). This very fine spotted beauty is a large flower and an extremely free bloomer, comprising a color scheme of Indian red and apple green. It is adorned by a great many medium sized dark Indian red spots which lend a certain fascination to its already beautiful appearance.

SUNDOWN (ANAK X LADY DILLON). Sundown displays a well shaped white dorsal splashed with green-yellow symmetrically lined with deeper apple green veins. It is covered by varied sized dark Indian red spots thickly concentrated in the center and gradually thinning out to nothing toward the edge. The sorghum brown petal blends, though abruptly, to a soft lumiere green.

PYRAMUS (HERA, EURYDADES X MRS. WM. MOS-TYN). Large bloom. Pouch and petals a combination of mahogany and Nile green. Dorsal green at base shading to white and heavily spotted with perilla purple.

TROILUS (INSIGNE X NITENS). This cypripedium resembles very much Baronial differing only in lighter dorsal spots. Dull sorghum brown and pale apple green.

GROUP OF SELECTED CYPRIPEDIUMS

**\$20.00 EACH
FIVE PLANTS, ONE OF EACH VARIETY, \$75.00**

BARACLAVA (GWEN HANNEN X WARRIOR). A bold handsome flower. The broad, erect dorsal is banded with white around the green, purple spotted area. The petals are honey-yellow with a central line of brown and some shading on the dorsal halves; the margins are undulated. The honey-yellow rim and base of the lip sets off the bright brown frontal portion to great advantage.

CAMEO, WYLD COURT (ETTA X NESTA II). A vigorous grower bearing flowers of tremendous size and substance. The dorsal is white with a green aurora, profuse with large claret spots. Pouch and petals are sepia overflushed with claret. A most unusual flower. Long lasting.

DERVISH (BORDUBE V. EAU DE NIL X GRACE DARLING). Modest in its space consumption, producing flowers exquisitely fashioned in chartreuse and white.

DIANA BROUGHTON (DORIS BLACK X GRACE DARLING). This bright Cypripedium of waxy light greenish yellow topped by a white dorsal edge is appealing for its simple coloring and ruffled borders as well as its large size.

JOHN THATCHER (LADY DILLON X THRUMS, LANGLEY VAR.). All the visitors who have seen a group of this variety grown at our nursery have been much impressed by the size, excellent form and brilliant color of this Cypripedium. It is strong growing and the flowers are unusually large. The general color tone, pouch and petals a bright mahogany red on a yellowish-green base. The large, well shaped dorsal is white save for a small area of green at the base and a large area of deep purple spotting.

We have many more varieties in this price range but not sufficient of each variety to list. We can select five plants of different varieties from above for \$75.00.

Special Selection

We can select one plant in each price range, with the exception of warm growing varieties, total value \$42.50, for \$30.00—a savings of \$12.50.



BLC. NACOUCHEE (C. ESTELLE ALBA X BLC. HEADON).
Many Arm-Roy orchid plants win awards. Here is one of our best Brassolaeliocattleyas. It has fine form and good substance. Colors are pastel shades. See page 17 for prices.

**ARMACOST
& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA

ARMACOST & ROYSTON SUPPLIES

Armacost & Royston Inc., presents a complete selection of orchid and floral supplies, available by mail for the first time. Now we have found a way to bring you everything you need without leaving your home, more time for yourself.

To buy nursery, orchid, and garden supplies is a necessary chore, we know, but possibly a burden. To be assured of having exactly what you require when you need it, choose your supplies from the finest quality available.

Absolute satisfaction is guaranteed, or your money will be happily refunded. Armchair shopping in the comfort of your own home can provide you with additional time to pursue your hobby. Convenience and complete assurance that your orders will be filled promptly and carefully is insured by our long and outstanding history in the nursery business. Your orders will receive the same 24-hour attention that our most expensive rare orchid plants demand.

We offer you the newest in nursery items to make your growing efforts easier, faster, and more fulfilling. Buy with confidence when you buy from Armacost and Royston Inc. Please use your handy mail order form, and send today for what you'll need tomorrow! You'll be glad you did!



ARM-ROY "FIR GRO"

This soluble fertilizer was formulated especially for use with Orchid Plants growing in Fir Bark. A concentrated product and a natural with the Hydromix Automatic Gardener. Compounded for liquid feeding.

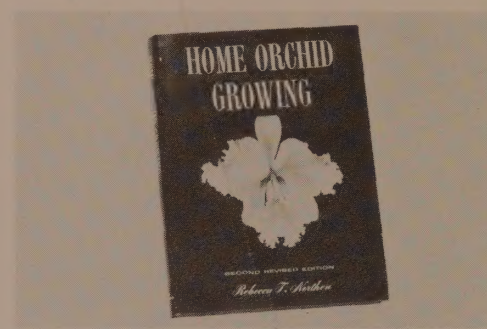
R101A—1 lb. 98c B—5 lb. \$3.49
 C—25 lb. \$8.75
 SPECIAL—D—50 lb. \$16.50
 E—100 lb. \$32.00



ORCHID CULTURE MEDIUM

Daniel Hill's Orchid Culture Medium is truly a MUST for germinating seeds. You simply can't start them without it. To be used for Cattleyas or Vandas. Makes six 500cc flasks. Can also be used for Cyripediums, Cymbidiums, or Phalaenopsis. A thrill of a lifetime to start your own seeds. Used by professional growers all over the world.

R116—Orchid Culture Medium...\$3.00



HOME ORCHID GROWING

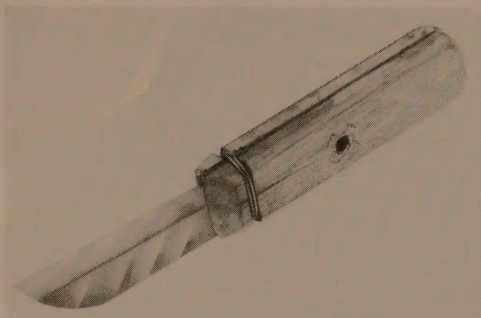
A big Standard Guide... one of America's best orchid books. A "Bible" for every orchidist. It provides amateur and professionals with a sounder and more scientific knowledge of orchids. Published in 1950 and now completely revised and rewritten. Best seller... great detail. 15 color illustrations and 160 black and white.

R-125—Home Orchid Growing

\$10.95

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA

ARMACOST
& ROYSTON



STEEL SAW BLADE KNIFE

No orchid grower can reap his harvest without one. Makes cutting your blooms the greatest thrill of a lifetime. Hand-made of heavy steel with a sturdy wooden handle, this knife is easy to handle, won't rust, stays sharp for years. Use for bulbs and solid roots as well as the heavenly bloom. You can't afford to be without one.

R114—Steel Saw Blade Knife.....\$2.50



REDWOOD SHAVINGS

Redwood shavings from the tall Redwoods grown in California's cool, high Sierras. These shavings give you top results with so much less effort and cost. Must be kept moist, shavings have extensive lasting qualities. Will make a beautiful ground covering and will hold up for 5 years. Ideal for potting material. Choice of the pro's.

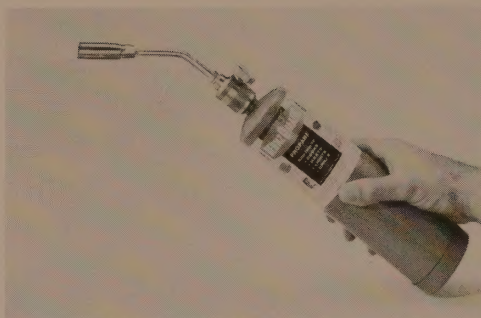
R118—Gunny Sack.....\$1.00



ORTHO MALATHION SPRAY

A superior new insect control, effective in controlling scale, thrip, aphid, red spider, flies and mealybug. Makes up to 12 gallons of diluted spray. It can be used on Roses, Evergreens, Ornamentals, Shrubs and Trees. A **must** to end your insect worries . . . no good grower can afford to be without some.

R105—Spray A. 4 oz.....\$1.19
B. 8 oz.....\$1.95



BERNZ-O-MATIC PROPANE TORCH

The Bernz-O-Matic Propane torch kit has 101 uses from cellar to roof, most important is preventing the spread of disease in your orchid collection through flame sterilization. The Propane torch lasts for months, is simple to use, costs only pennies for protection. Guaranteed to please!

R113A—Bernz-O-Matic.....\$6.95

R113B—Replacement Unit.....\$1.95

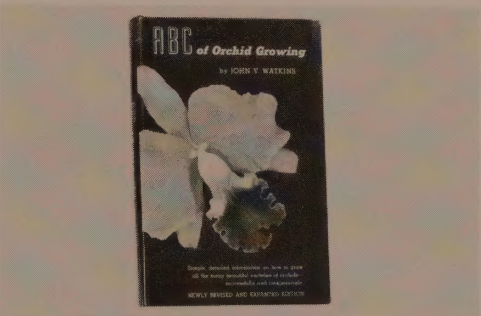


INSTANT VIGORO

Swift's Instant Vigoro is widely used by CYMBIDIUM growers, especially in the newer composts with low Nitrogen content. It has less than 5% Chlorine content, and is water soluble. A complete plant food for leaf and root feeding, 8 oz. dissolves in water, makes 28 quarts.

R103A—8 oz.....80c B—1 lb.....\$1.30

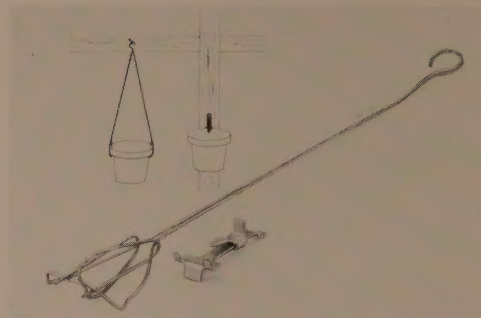
SPECIAL C—3 lb.....\$3.00



ABC OF ORCHID GROWING JOHN V. WATKINS

Newly revised and expanded . . . this book is invaluable for information on how to grow many beautiful varieties of orchids . . . successfully and inexpensively. Indispensable guide to thousands who have already raised prize orchids, it contains the simplest of instructions.

R127—ABC of Orchid Growing..\$3.50

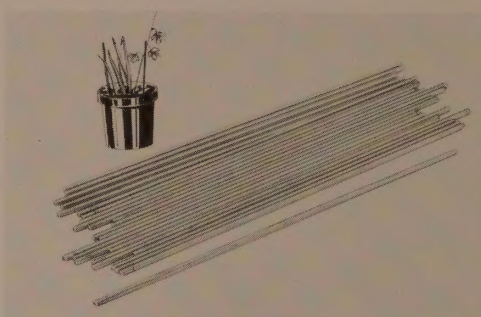


HANG-A-POT & SNAP-ON WIRES

Concealed supports hold your house plants firmly yet gently. Sturdily constructed to hold pots up to 7", useable indoors or out, easily attached in seconds. Two kinds.

R117A—Hang-A-Pot Flower Pot Holder.....35c ea.
or 3/\$1.00 or 12/\$3.50

R117B—Snap-On Wire, Heavy Gauge (22" Long) .25c ea., 6/\$1.25



WIRE STAKES—BUNDLE OF 25

Galvanized wire stakes, 3/16" diameter are available from 10" to 20". A perfect, strong support for orchids, these sturdy galvanized wire stakes cannot rust, may be used year after year.

R121—Wire Stakes Bundle of 25

A. 10".....\$.75 B. 12".....\$.80

C. 14".....\$1.00 D. 16".....\$1.10

E. 18".....\$1.25 F. 20".....\$1.50



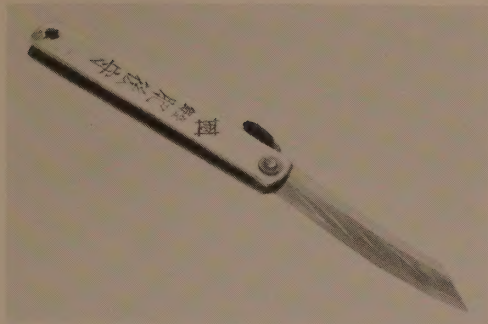
CORSAGE RIBBON

Fine quality acetate satin ribbon in 100 yard rolls, in assorted colors, accent prized orchid corsage. Perfect for any flower corsage, trimming for cut flowers, as well as for gift packaging and hair ribbons. Water repellent in a 5/8" width, your ribbons cost you 1 1/4c a yard. Available in pink, lavender, white, gold, green, orchid.

R119—Ribbon.....\$1.25 Roll

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HANDY KNIFE

This small, compact Japanese knife is a perfect extra knife to keep in your pocket. Easy to carry . . . easy to use. Has a hollow ground blade and will do hundreds of small jobs with no fuss, muss or bother. Guaranteed to be useful. Buy one for everyone in the family. You can afford to lose a couple at this price.

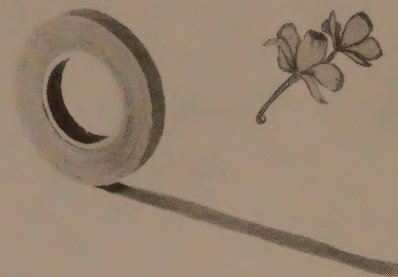
R-115—Handy Knife.....50c



GARDEN FUNGICIDE

Use easy ORTHOCIDE GARDEN FUNGICIDE to control most garden plant diseases. Includes new pour spout, shaker holes. Contains 50% CAPTAN, can be used for Roses (Black Spot), Lawns (Brown Patch), Tuberous Begonias (Powdery Mildew), Bulbs, Cuttings (Damp-Off), Fruits. ORTHOCIDE GARDEN FUNGICIDE is the best of its kind.

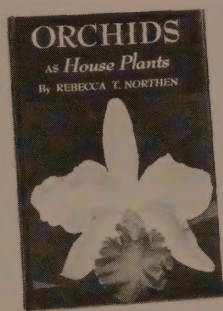
R106—Garden Fungicide, 8 oz...\$1.39



FLORAL TAPE

Every Orchid Grower has to have a few rolls of FLORAL TAPE to make professional looking corsages and arrangements. Easy to handle . . . it stretches as it wraps around the stems. Comes in **white, green, or lavender**. When you do-it-yourself, be sure you have Floral Tape on hand to beautify your orchids.

R-120—A. Floral Tape.....\$.35
B. Special 3 Colors.....\$1.00



ORCHIDS AS HOUSE PLANTS REBECCA T. NORTHEN

All about the popular new house plant, ORCHIDS, can be grown in the home as easily as African Violets. This book contains the exact details of home culture and propagation. Practical information that will make it easy to fill your home with magnificent blooms and plants.

R126—Orchids as House Plants...\$3.50



HI-LOW THERMOMETER

The Taylor Hi-Low Thermometer carries a warranty of quality and takes the guess work out of recording highest and lowest temperatures during any given period. Self-registering, can be reset manually. 10" high, made of vacuum formed plastic with a U-shaped Thermometer, the Hi-Low is easy to read, and guaranteed.

R122—Hi-Low Thermometer...\$12.95



BAMBOO POT COVERS

Beautify your flower pots with ornamental bamboo covers, easily applied to cover unsightly clay pots. Mahogany or natural color, they can be used over and over again. Bamboo Pot Covers made of distinctive broad-stripped bamboo are compact for storage purposes, decorative.

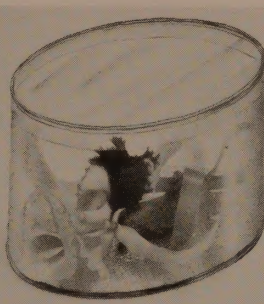
R130—A—Bamboo Pot Cover, 5"....75c
B. 6"—85c; C. 7" (short) 85c



ORTHO CHLORDANE DUST

Ortho Chlordane Dust with 10% Chlordane is sure death to ants, beetle grubs, "you name it, we'll kill it". Can be used as a spray by mixing two tablespoons Dust, adding one gallon of water. Also can be used dry, and is extremely economical in its thorough coverage. "No muss, no fuss."

R107—Ortho Chlordane Dust
1 lb. pkg.....89c



CORSAGE BOXES

Half the fun of growing orchids is making corsages. Half the fun of making corsages is having them look very, very professional. And if you want to sell them, you simply must have CORSAGE BOXES. Clear plastic with silver foil bottoms, they are oval in shape with tops. These see-thru boxes come in small and large sizes.

R-131—Corsage Boxes, Small.....35c
Large.....55c



FOGG-IT NOZZLE

Fogg-It produces a fine drenching fog-like spray, drifts gently over plants, newly seeded lawns, or orchid seedlings. Moisture penetrates the soil quickly and evenly, preventing damaged plants. Made of life-time, rust-proof brass the Fogg-It nozzle attaches to any garden hose. Ideal for greenhouse watering.

R134—Fogg - It\$1.95



CORSAGE TUBE WITH PIN

These PIN-ON LAPEL TUBES are very, very small, but OH! SO useful and handy to have. In fact, the orchid blooms will completely cover them. If they are used with a small amount of water, flowers will keep fresh for days while you have the pleasure of wearing them. Try a dozen. No orchid lover can be without them.

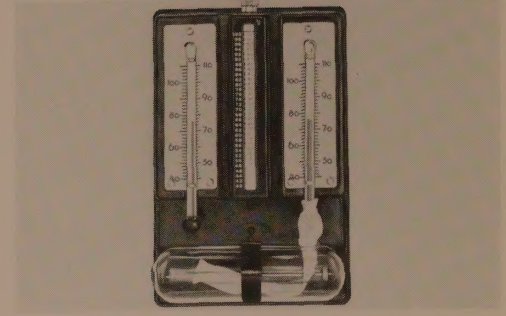
R132—Corsage Tube.....12 for \$1.00



COOKE'S SLUG-N-SNAIL

To be used for effective SLUG-N-SNAIL control. Contains no arsenicals . . . it attracts and kills on the spot. Goes 4 times as far as ordinary baits. This special powder remains effective on the soil surface for many days, even after routine sprinkling with water. 8 oz. will cover 500 sq. ft. Snails hate it! You'll love it!

R108—A. 8 oz...85c B. 2 1/2 lbs...\$2.79



HUMIDIGUIDE

The Stuart Humidiguid is precision built into a unit only 3 3/4" x 5 3/4". It is a wet and dry bulb-type instrument, regularly used to measure humidity the world over. Essential to the best culture of orchids, the Stuart Humidiguid tells room temperature as well as the moisture in the air.

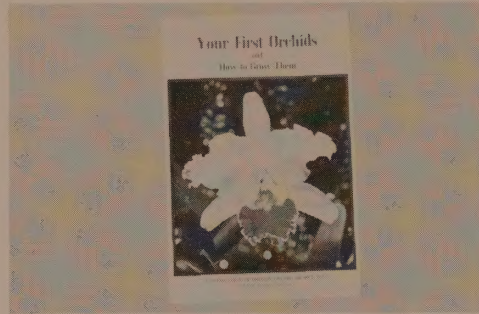
**R123—Humidiguid
Hygrometer\$9.98**



SPOT SPRAYER

The R & H Hudson insecticide sprayer is unexcelled for spot spraying of insecticides and fungicides. An 8 oz. capacity may be used many times where large quantities are unnecessary. Save time and labor by using this handy light weight insecticide dispenser with continuous trigger action. A must for the "particular"

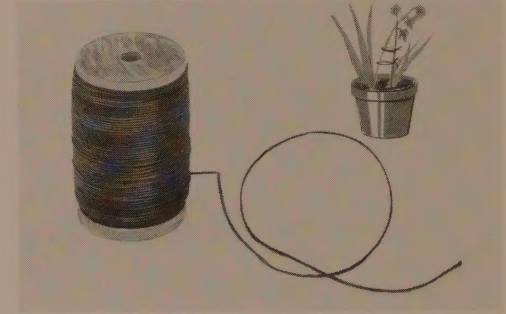
R142—Spot Sprayer.....\$1.95



YOUR FIRST ORCHIDS HOW TO GROW THEM

This is a publication of the Oregon Orchid Society Inc., a practical, cultural guide and a beautiful presentation of the wonders of the orchid. All information is fundamental, important to know before beginning a fascinating adventure into orchid growing. Contributed to by authorities.

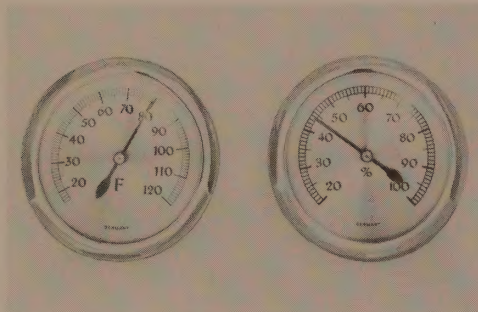
R128—Your First Orchids.....\$2.00



FLORIST'S THREAD

Use professional-type florist's thread to tie up your plants and flowers. In green to avoid being noticed, this thread is necessary to your flowers, keeping them straight and tall. Will prevent bruising of any and all type orchids. Can also be used for tying flowers in bunches. Have a box on hand at all times.

**R-139—A. 1 Spool.....\$.45
B. Box of 8 spools.....\$3.50**



HUMIDITY & TEMPERATURE GAUGES

Equip your greenhouse with a home weather station by installing a compact and attractive 3" diameter humidity or temperature gauge. Attractive circular units, gold finished and made in Germany, respond to the slightest change in temperature and humidity.

**R124-A—Humidity Gauge.....\$2.50
R124-B—Temperature Gauge.....\$2.50**



PLASTIC PLANT MARKERS

Lifetime white plastic plant markers, 4" and 5" long. Write on them with soft pencil, rubber stamp or typewriter.

**R137-A—#16 (4"x 3/4")
25 pk. \$1.00 100 pk. \$3.90 wired
R137-B—#17 (5"x 1")
25 pk. \$1.35 100 pk. \$5.10 wired
R137-C—#22 (5"x 3/4")
25 pk. \$1.35 100 pk. \$5.10 pointed**



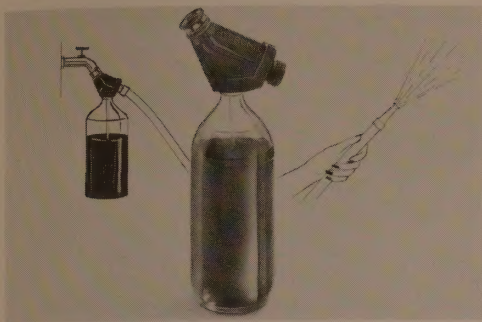
TAT ORCHID SPRAY

25% DDT makes this orchid and greenhouse spray a long-time proven insecticide. Two to three tablespoons per gallon of water will keep your greenhouse PEST-FREE. TAT will create a tremendous increase in root growth, and will be noticeable after the first spray. Use for cut flowers as well as orchids.

R110—TAT Orchid Spray.....\$1.25

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& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



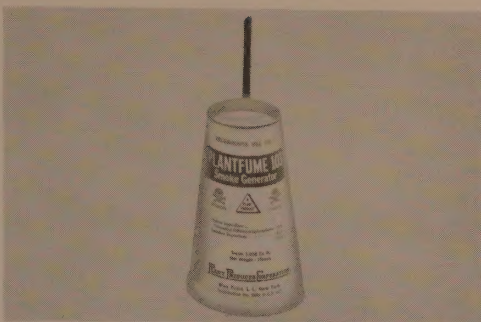
HYDROMIX

The Hydromix automatic gardener is ideal to use with ARM-ROY "Fir-Gro", 1 qt. of which concentrated fertilizer makes approximately 25 gallons of mixture. Readily dissolved when attached to any hose or sprinkler system in 30 seconds.

R112-A—Hydromix Gardener

Complete\$3.95

R112-B—Hydromix Bottle..... .30

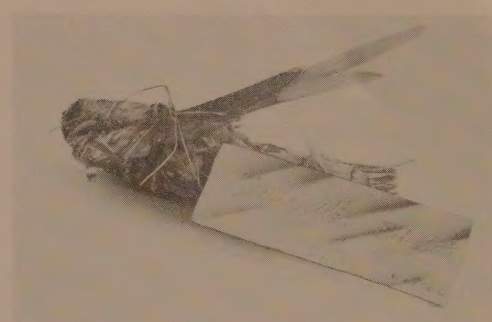


SMOKE GENERATOR

Set the PLANTFUME SMOKER GENERATOR on floor of your greenhouse. Just light! That's all, the work is done! Simple labor-saving way to control scale, aphid, mealybug, thrip and other damaging insects. One unit will treat 5,000 cu. ft. Recommended by Entomological Authorities. For greenhouses only.

R111—Generator. A.....65c ea.

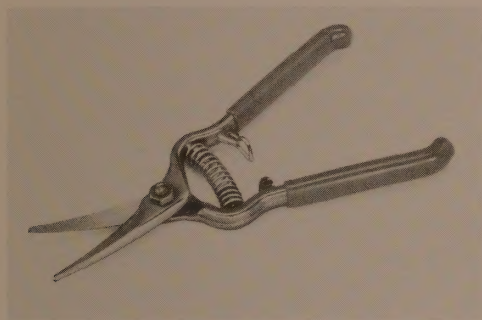
B.....6 for \$3.00



ALUMINUM LABELS

EVERLAST ALUMINUM PLANT LABELS are the best. Just write into soft metal tags with pencil, ball point or sharp stick . . . plant name is permanently embossed. No chemicals . . . no special pens. Legible forever . . . rust proof, and waterproof. Each label has two holes with wires included for easy attaching. 50 labels and 50 wires.

R138—Aluminum Labels...50 for 75c



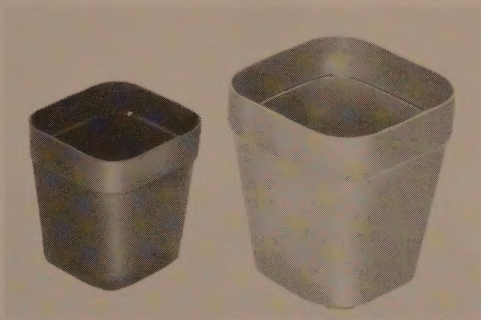
PRUNING SHEARS

The shears preferred by professional gardeners are all metal with large plastic handles for comfortable easy grip. Shears are 8" long with precision ground blades. Spring action and safety lock will provide years of service.

R145A—Pruning Shears.....\$2.89

R145B—Pruning Shears

(Mini-Shear #6).....\$2.25



PLASTIC FLOWER POT

Tough unbreakable plastic flower pots encourage sterile culture. They are equipped with drainage holes to allow better root growth. Light, easy to clean, easily stacked and square for economy of space. Easily sterilized and re-useable.

R146A—Plastic Pot, 2".....doz. 25c

R146B—Plastic Pot, 2 1/2".....doz. 30c

R146C—Plastic Pot, 3".....doz. 35c



ORCHID TUBES & CAPS

These ORCHID TUBES are made of clear plastic, with rubber caps to hold the blooms firm. Absolutely necessary for storage in an ice box, or for orchids in transit. Will help preserve the life of orchids for weeks and weeks. No true orchid lover can afford to be without them. They will pay for themselves with the first orchid they preserve.

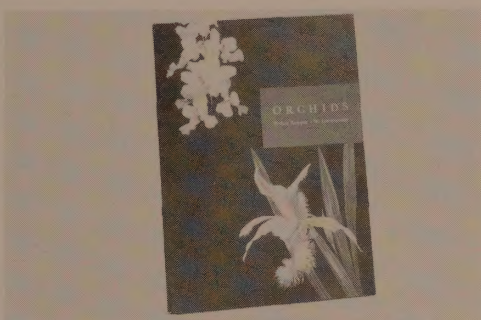
R144 Orchid Tubes & Caps..12 for \$1.



SLUG-IT

Slug-It is a liquid slug and snail killer, simple to apply, economical to use. Two tablespoons makes one gallon of spray. Apply this solution to all affected parts, thoroughly wetting for best results. Slug-It kills slugs and snails for one week after application, also protects plants from frost.

R109—Slug-It\$1.50

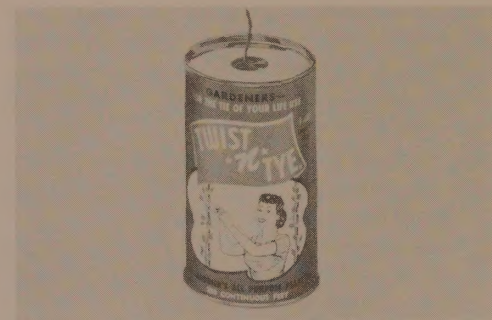


ORCHIDS

WALTER KUPPER - W. LINSENMAIER

A new . . . complete book on ORCHIDS. Has 60 magnificent illustrations which will be a great delight to the orchid lover. This book reveals the incredible diversity and splendor of the orchid family. Authoritative and complete. No library for the orchid grower is complete without "ORCHIDS".

R129—Orchids.....\$10.00



TWIST-'N-TIE

Simplify your garden tasks by fastening plants to stakes and fences with Twist 'n Tie. Green plastic-wrapped wire requires no tying . . . just cut with scissors and twist! Coated wire protects delicate plants, leaves expansion for growth. Weather-proof and re-useable, this is a 250' giant-size continuous roll.

R140—Twist-'N-Tie98c

OSMUNDA

Osmunda is one of the oldest and main potting material used by orchid growers for many years. It is uncut, soft brown, and top quality, shipped dry in burlap to reduce the weight or possible mold. Osmunda lasts great lengths of time, retains its moisture longer than fir bark, needs little fertilizing.

R-143.....\$19.50 Bale

CYMBIDIUM MIXTURE

Armacost & Royston, Inc. brings you their perfect growing media for Cymbidium orchid plants. Many years of experience went into perfecting this mixture which is now considered foolproof. Grow perfect cymbidium blooms in soil "designed for living". One of the finest products of its kind.

R133—A. Carton\$.75
Gunny Sack 3.00

ARM-ROY "FIR BLOOM"

A concentrated, soluble fertilizer, "Fir Bloom" is perfect for hardening off the growth of plants, helps to set the flower spikes. Make orchid blooming a sure thing. One tsp. in water will make a whole gallon. 8 oz. makes 50 gal. For orchids, 'for sure', use Fir Bloom. Necessarily low nitrogen content, high in phosphoric acid and potash.

R-102—A. 1 lb.\$.98
B. 5 lbs.\$ 3.49
C. 25 lbs.\$ 8.75
D. 50 lbs.\$16.50
E. 100 lbs.\$32.00

"SILVA BARK"

The newest and finest in Fir Bark, available to you in three grades. Prepared from sound, clean, wood-free Douglas Fir trees, Silva Bark is kiln dried, making it lighter in weight, germ-free, and perfect for providing proper drainage. No over-watering worries with Silva Bark.

R-136A— $\frac{1}{4}$ cu. ft. sack
(any grade).....\$.50

R-136B—2 cu. ft. sack
(any grade).....\$2.30

(2 cu. ft. sack, approx. 50 lbs. Min 2 sacks, 100 lb. wt.)

GRADES

Fine Seedling grade $\frac{1}{8}$ "- $\frac{1}{2}$ " (Seedlings)
Standard grade $\frac{5}{8}$ "- $\frac{1}{4}$ " (Mature Cattleyas)
Large grade $\frac{3}{4}$ "- $1\frac{1}{2}$ " (Vandas & Phalaenopsis)

R-148—Corsage Pins
(Pear-shaped).....10c Doz.
\$1.00 per Gross



SARAN SCREEN FABRIC

Shading problems solved for years to come with SARAN, at the lowest annual cost. Ideal for specific shade desired. Install it and forget it. It will last for years. Almost no maintenance required. Small extra charge for any size supplied with hemming and eyelets, ready to apply.

R-147—Saran Fabric (Come 3 ways)

SHADE	1-299 SQ. FT.	300-999 SQ. FT.	1000-5000 SQ. FT.	OVER 5000 SQ. FT.
64%	15c Square Foot	14c Square Foot	13c Square Foot	12c Square Foot
72%	15c Square Foot	14c Square Foot	13c Square Foot	12c Square Foot
81%	16c Square Foot	15c Square Foot	14c Square Foot	13c Square Foot



WATER BREAKER—HANDY REACH

The "400" Water Breaker is a new hose nozzle that produces a light-rain effect. Will not damage plants or disturb soil. Use with Handy Reach Extension Handle for watering ease in hard-to-reach areas. Light-weight, polished aluminum handle with a rubber grip, 2 sizes attach to any hose, and solve all your problems.

R-135—A. '400' Water Breaker..\$1.60

B. Handy Reach
(16" long).....\$1.50

C. Handy Reach
(24" long).....\$1.80



HUDSON'S DUSTING BLOWER

This light weight sturdy aluminum dusting powder blower has a one pound capacity, top opening, is easy to fill, and easy to clean. It is both practical and efficient, easily operated by hand. Most useable for insecticides such as Cooke's Slug-N-Snail. The Hudson Dusting blower is made to withstand constant use.

R141—Hudson's Dusting Blower
\$10.95

R-149—Twistems
A. 12" long, 250 per bundle..\$.75
B. 16" long, 250 per bundle..\$1.00

**ARMACOST
& ROYSTON**

POST OFFICE BOX 25576, WEST LOS ANGELES 25, CALIFORNIA



Conditions of Sale

Payment should accompany order unless credit has been established.

Claims for damaged shipments must be filed immediately with the carrier by the Consignee. We make every effort to pack carefully, and our responsibility ends when the shipment is accepted by the carrier.

All shipments will go out via Railway Express, express charges collect, unless we are instructed otherwise. Please state your preference as to whether you wish order shipped in or out of pot.

Foreign shipments will be shipped via Air Express out of clay pots unless we are instructed otherwise. On the authority of your local plant quarantine station, please advise us if there are any unusual requirements pertaining to the shipment of plants into your territory or country.

Hawaiian purchasers are requested to include with their order a copy of their import permit. This permit may be obtained from the Board of Commissioners of Agriculture and Forestry, Honolulu.

Sales Tax will be added to orders being shipped to residents of California unless we have on file a signed State Resale Certificate.

Plants are offered strictly subject to prior sale.

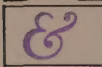
Prices subject to change without notice.

It will be readily understood that it is impossible to keep Orchid Plants stationary with record to pot size while they are cataloged. Potting must be done as it becomes necessary. Because of this we shall substitute sizes of plants in filling orders unless we are specifically instructed not to do so. We suggest your making a second choice in the event we are unable to supply your first choice.

We make every effort to maintain the highest standards of quality and labeling of our plants. However, having no control over the plants after they leave our greenhouses we give no warranty, express or implied, as to their productiveness or health in the hands of the purchaser. If the purchaser does not accept the plants on these terms they are at once to be returned.

ORCHIDS



ARMACOST
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2005 ARMACOST AVENUE, WEST LOS ANGELES 25, CALIFORNIA